DIGIFLASH proudly presents

DIGI TIMES

Department of Computer Science and Engineering

Have you compared IPhone 6 & IPhone 6 +

Panoramic camera ball -capture everything

Do you know you have been hacked!

DigiFlash

BIG DATA

Technology has continued to bring the world closer together and it is obvious that technology has exceeded humanity. It is flabbergasting that the artificial intelligence of the machine created by the human has overcome his natural intelligence. I am on cloud nine in bringing you the MCET's first technology e-magazine "DIGITIME's" powered by DIGIFLASH (DEPARTMENT ASSOCIATION OF COMPUTER SCIENCE & ENGINEERING). DIGITIMES is stepping into its fourth year successfully by acting as reservoir of knowledge. I extend my graditude to Dr.A.Rathinavelu HOD(PG)-CSE & Vice Principal, Prof.A.Gowrishankar HOD(UG)-CSE, staff Co-ordinator of DIGIFLASH and all the staff members of our department for their kind support and guidance. Hope DIGITIMES satisfies your thirst for knowledge.

T.E.MATHAN (Final CSE)

President-DIGIFLASH(2014-2015)

Infosys® | Building **Tomorrow's** Enterprise

Infosys - co-founded in 1981

Infosys was first incorporated as "Infosys Consultants Pvt Ltd." with a capital of Rs. 10,000 (roughly $250) in Model Colony, Pune as the registered office and signed its first client, Data Basics Corporation, in New York. In 1983, the company's corporate headquarters was relocated to Bangalore.

List of CEOs

N. R. Narayana Murthy	1981 to March 2002
Nandan Nilekani	March 2002 to April 2007
S Gopalakrishnan	April 2007 to August 2011
S D Shibulal	August 2011 to July 2014
Vishal Sikka	August 2014 to date

Infosys was ranked 15th largest IT services provider in the world by HfS Research . Infosys was ranked #19 amongst the world's most innovative companies by Forbes. Infosys Cloud Ecosystem Hub won the 2012 Golden Peacock Award for the most innovative product/service. Infosys leads 5 Indian projects shortlisted for Green Oscars.

CONTENTS

Big Data

Big Data supports 2 sources, i) Amount of data is shared within the corporation, ii) lot of data is also shared outside organisation. Big data is different from other data by four V's, i) Volume, ii) Velocity, iii) Variety, iv) Veracity. The solution to Big Data is Hadoop. Hadoop is used to solve problem of distributed computing. It is a work done by Google in late 1990/ early 2000. Why we are going to Big Data? Owe to the increase of processing power & storage capabilities and also due to the availability of large data. Parallel processing is used in the Big Data. The concept used in Hadoop is Master Slave architecture. The major components of Hadoop are i) Hadoop Distributed File System (HDFS) – used for storing the data and ii) Map – Reduce – used for processing the data. Other components are also available such as pig, Hive, HBase, Flume, oozie, sqoop, etc. HDFS is a file system designed for storing a very large streaming data which can be run on a commodity hardware. Map reduce is used to process unstructured data. It is a unique pipelining and it has its own java code.

Velocity:
  It refers to the time in which the huge amount of could be retrieved, then processed.

Volume:
  It refers to large volume of data.

Variety:
  It refers to the different forms of data such as audio, video, etc.

Veracity:
  Supports credibility & Suitability of data.

Mine your knowledge.....

"Intelligent data Mining - Extracting meaningful information from the data around us"

"Software Engineer" is:
A person who can apply technology to
• Solve real time problems of human beings
• Facilitate day to day activities through automation.

Mastery of above skills will make you an esteemed software engineer.

Preface:

With recent advancements in intelligent data mining using Machine Learning / Artificial Neural Networks, probability based analysis (Bayesian), Rule based mining, Decision trees, Map / Reduce etc., I feel it is high time for budding software engineers to learn "how to solve problems that we encounter on a daily basis leveraging the power of data around us".

The riches of the data mining techniques lies in the fact that these algorithms can be hand crafted to each specific problem that we are trying to solve (highly adaptive).

Examples to illustrate the power of intelligent data mining.

Mining super market data can help us identify useful trends/patterns in items that the customers buy.

• A person buying milk has higher probability of buying bread and biscuits, which is why we see milk, bread and biscuits placed adjacently in super markets.

• Buying rate is high on weekends over weekdays, there is a higher probability of items getting sold without any additional offers on weekends. On weekdays the shopkeeper has to offer some additional discounts to boosts his regular sales, which is why the items eg.,drink

Mr.Pongopinath

Article by **Mr.Pongopinath Shivashanmugam** an alumni of Dr.MCET.

He completed his B.E CSE in our college during 2006 to 2010. He is currently working as an employee at R&D-Bloomberg, Washington.

costs extra on Friday (5 bucks) than on a normal day which costs only 3.5 bucks. A packet of chips costs 10 bucks on a Friday, which on a normal day comes with, buy one get one offer.

Mining library usage data can give us useful information which will help librarian in optimizing resource utilization.

• Librarian can buy the more frequently borrowed books to increase its availability.
• Efficient shelf management, by stacking two heavily used book sections(like electrical and computer science departments) at opposite ends of library so that library doesn't look crowded.
• Placing related books together (e.g. categorizing books based on departments)
• Efficient staffing, allocating extra staff during peak hours.

Efficient mining of students lab usage will help in optimizing power and internet usage. Efficient mining of data available in exam cell could help us identify success rate of staff per course and also in efficient course selection based on past pass percentage per course combination.

Data is present all round us, it could be as simple as Travelers information(Time vs. Crowd), Students attending campus interviews(skill vs. success rates), Canteen usage(Time vs. Crowd), Traffic details, even water point usage, lab usage etc.

Efficient data mining helps us in finding useful patterns and trends, which will help us in optimizing resource utilization and build a better eco-system, sophisticated by technology.

Follow up action:

I feel it is a shame to say that we are engineers, if we cannot apply our engineering skills to eradicate our fellow human beings' pain/ sufferings.

I'm confident that readers will appreciate the need to "extract meaningful information from data around us " and take their time to learn how solve problems around us that we encounter on daily basis using Intelligent Data Mining.

MESSAGE TO YOUNGSTERS (MALE)

Our society is doing its highest degree of injustice to women by curtailing their freedom in the name of caste, custom and male chauvinism. I would suggest youngsters(Male) to be a role model for the society by being the change, letting her enjoy the freedom that every man enjoys, freedom in thoughts, freedom in expressing herself (action), freedom in decision making, freedom in what she wants to do, freedom in what she wants to wear and in essence freedom in everything. *Guys please respect women and give equal opportunities/importance to her*.

Windows 9 of Microsoft is under development stage. An early, Images of a preview version of Windows 9 leaked online showing that Microsoft is mixing up new (Windows 8) features with a classic (Windows 7) look in an attempt to win back desktop users from the Google. Microsoft disclosed earlier that the next version of Windows, codenamed "Threshold," will most likely be called Windows 9.

NEW FEATURES:

Microsoft will integrate Internet search into the W i n d o w s 9 desktop, with a new placed directly next to the Start button. The button gives users one less reason to open up a browser window and conduct a Google search, similar to the AppleInc.

The screenshots of windows 9 confirm earlier reports that it will include an actual Start menu, as opposed to the button that only allowed users to alternate between Windows 8's "Modern" (or "Metro") user interface and a more traditional desktop.

Leaked screenshots of a Windows 9 beta preview confirm Microsoft's plan for a traditional Start menu. On the right of the Windows icon, a search button will give user one less reason to open a browser window and conduct a Googlesearch

Apps made for the "Modern" user interface are now able to run inside of a window, as opposed to taking up the wholescreen.

A new button in the window for Windows Store apps lists previous "Charms bar" functions like search, share and play. Windows 9 will also allow users to switch between multiple desktops, each with their own layout and apps,as they can with Ubuntu Linux "Workspaces"

A button on the right side of the taskbar will list messages from apps, similar to the "Notifications" bar in OS X.

Since this is an early preview of Windows 9 in an unfinished state, any of these features can be changed before Microsoft officially releases the OS. It is expected to release a public beta of Windows9soon.

"NOURISH YOUR PC WITH THE NEW WINDOWS 9"

26th-Sep-2014 Orion 2k14- Technical Symposium at Kongu Engineering College, Erode, TN
Link: http://www.orion2k14.in/

26th-Sep-2014   NETCOM 2K14-Technical Symposium at JJ College of Engineering and Technology, Trichy, Tamil Nadu
Link: http://www.netcom2k14.com

26th-Sep-2014 Wisteria 2k14-Information Technology Symposium at Jerusalem College of Engineering, Chennai, Tamil Nadu
Link: http://www.wisteria2k14.com/

26th-Sep-2014 Innovate-India a Technical Fest at VIT University, Vellore, Tamil Nadu
Link: http://www.innovatevit.com

26th-Sep-2014 INNOWAR 2014- technical symposium at SVS college of engg, cbe, TN.
Link:
http://www.rejinpaul.com/2014/09/innowar-2014-national-level-technical-symposium.html

27th-Sep-2014 Cognit 14- Technical Symposium at MNM jain engineering college,Chennai,TN
Link : www.cognit14.in

27th-Sep-2014   Hephaestus 2K14-Information Technology Symposium at Gojan School of Business and Technology, Chennai, Tamil Nadu
Link: http://hephaestus2k14.gojaneducation.com/

8th-Oct-2014 FUTURA 2014-Technical Symposium at Bannari Amman Institute of Technology, Erode, Tamil Nadu
Link: http://www.bitfutura.in

11th-Oct-2014 Big Data and Computing A National Conference at Annapoorana Engineering College, Salem, Tamil Nadu
Link: http://www.aeccse.com

college fest

PANORAMIC CAMERA BALL

-CAPTURE EVERYTHING

What is panoramic camera?

The Panoramic Camera is a uniquely designed device that can be used to take several panoramic shots of any place we want.

This camera is shaped like a ball and we can turn it on and throw it in the air to take as many pictures of the scenery as we want. Once it lands back, we will be surprised to see the beautiful shots it has captured. These shots would never otherwise be captured when we are taking photographs on our own.

What is new in it?

"Snapshots only show what's in front of the photographer, and our panoramic camera captures an entire scene, a bit like Google Street View, but from an aerial perspective."
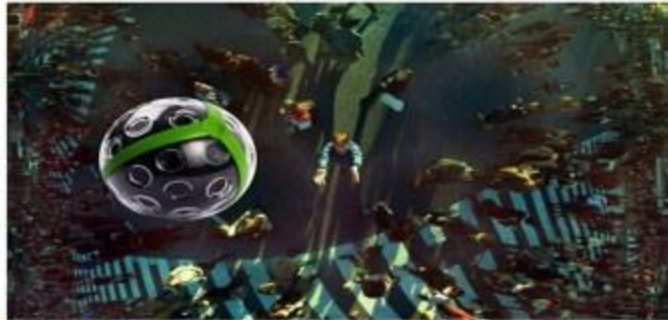
How it is developed?

Jonas Pfeil, the creator of panoramic camera came up with this innovative idea on a visit to Tonga, a Polynesian archipelago in the South Pacific. Awed by the natural beauty of the islands, he wished that he should have a camera that could take a fully automatic panoramic image (unbreakable image).

Back in Germany, he developed this idea for his college thesis at the Technical University in Berlin. At first this camera is in the size of a handball, weighed 750 grams and now it is just 300 grams.

Uses of panoramic camera:

• Real estate agents could document an atrium or courtyard with a single throw.
• Police could gain a quick overview of a demonstration.
• Students could take a class photo.

Features of panoramic camera:

The Panoramic camera is spherical in shape and has 36 cameras on its surface. We have to throw the camera into the air, and an accelerometer in the camera measures its acceleration at the time of launch. This lets the camera discern when it is slowing down and when the camera is at its highest altitude it begins to click pictures. We can get 360 degrees of pictures from it. We will be able to capture everything in every direction and the camera allows us to see everything in exquisite details. The images are 108 megapixels, incredibly detailed and sharp. Once we have taken the pictures, we can transfer them to our phone, and then share them or send them for prints. The camera comes with an ios and Android app that can be used to transfer pictures to our smartphone.

Specifications of panoramic camera:

Panoramic Camera has a diameter of 4.33 inches or 11 cm. It's very lightweight and weighs only 0.66 pounds. The camera is made of tough clear plastic and therefore it is very hardy, so even if we drop it, the camera would still be working. Don't try to drop it too often, because it is a delicate device after all. The surface has 36 built in cameras to take 360-degree pictures of every scene. These cameras have a fixed focus and we cannot really change their focus. The 36 fixed focus cameras give us a total picture resolution of 108 megapixels.

The mobile app is available for iOS 6 and higher and Android 4 and higher. The camera can be paired with the mobile app, and we can transfer our pictures easily.

Success of panoramic camera:

The German government's ICT innovation award, worth €30,000 ($40,000) to Jonas, the creator of this camera,. The demo video on YouTube attracted over 3 million clicks in a matter of days. Now, just over a year later, the finished product can be ordered via the crowd funding platform Indiegogo for €499. The company now consists of three founding members. Ralf Coenen, the former head of camera company Leica, is acting as logistics adviser. Jonas is hoping to manufacture around 1,500 cameras overall.

Drawbacks of panoramic camera:

There are some disadvantages too. In case of indoors or in dim lighting, it is preferable to mount the camera on a stick and hold it in the air because throwing it could result in blurry images. The panoramic camera's bird's-eye perspective creates actual spherical photos -- 360 degrees both vertical and horizontal -- because it doesn't have to remain stationary, but seems to float in the air instead.

Massive monopoly-Apple

iPhone 6   iPhone 6 Plus

Tim Cook and his Apple colleagues announced two very big, very fast smartphones iPhone 6 and iPhone 6 Plus. With bigger displays, payments functionality, faster processors and useful features, there are significant improvements over the prior generation of iPhones. And they firmly reposition Apple to have a more vigorous smartphone battle with industry rival Samsung.

Battery Features	i phone 6	i phone 6 plus
Audio	Upto 50 hours	Upto 80 hours
HD Video	Upto 11 hours	Upto 14 hours
Wifi-Browsing	Upto 11hours	Upto 12 hours
LTE Browsing	Upto 10 hours	Upto 12 hours
3G Browsing	Upto 10 hours	Upto 12 hours
3G Talk	Upto 14 hours	Upto 24 hours
Standby	Upto 10 days(250 hours)	Upto 16 days(384 hours)

Apple's smart watch

Apple's smart watch, called the "Watch," features a method of wireless charging that requires the charger be in close proximity. Apple has sent a mixed message on the tech, which it didn't find was worth including in the iPhone 6.

MYSTRY OF THE WATCH:

Apple has chosen the induction charging technique (which requires close contact) over the superior magnetic resonance technology, which allows devices to charge more quickly over long distances. With induction, Apple calling the Watch's charger "wireless" is a bit of a "red herring," and the reason it's not used in either iPhone 6 model is likely because it would greatly increase charging time.

The mystery surrounding the Apple Watch's battery is how it lasts on a charge. Apple hasn't made any mention of the device's battery life, outside of a throwaway comment telling reporters that the Watch would charge "nightly." And Apple engineers are still working furiously to improve battery life before the Watch launches in 2015.

WIRELESS CHARGING:

Apple's use of wireless charging, like its battery life, is too little. "In the case of the Apple Watch, the transmitter, which is snugged into place with a magnet, is connected to a cord. It's a lot like plugging in your Mac book Air or Mac book Pro".

The existing wireless charging methods are imperfect: they generate significant

Apple's smart watch-wireless

amounts of heat and require careful placement. If the phone (or watch) isn't placed on a wireless charging pad's "sweet spot," it can charge more slowly, or not at all. Therefore, Apple's inclusion of a magnet may be seen as a simple (and familiar) way of overcoming those limitations.

Apple continues to avoid incorporating wireless charging into its iPhone line, and the particular method used in the Watch inevitably would disappoint some. However, Apple's wireless tech may not catch on with other manufacturers, instead remaining a proprietary connection like Thunderbolt.

Apple's smart watch on release

Digiflash Deeds

Inauguration

The representative association of our CSE students "Digiflash Inauguration function" was inaugurated by Mr.Ashok, Manager. Logic genie, Coimbatore on 05.08.2014.

Placement

To have an awareness on placement final year students had an Interaction with alumni Mr.Pongopinath Shivashanmugam on 05.07.2014.

Webinar

Webinar on "Windows Azure-Introduction to SQL database" on 09.09.2014 by MICROSOFT to students to have an keen exposure on windows Azure along with database.

Demo on presentation

Paper presentation Demo for second year was conduted by seniors 09.09.2014 to teach them how to present the paper.They were given an exposure how to present their ideas which will be helpful for their upcoming year.

ENGINEER'S DAY

To test the students knowledge and skills,CODEZAPP for 2nd years and POLY VALENT for 3rd years has been conducted on a special occasion "ENGINEER'S DAY".

Hands On

Training to pre-final year and second year students conducted on upcoming domain "ANJULAR JAVA" by Mr.Pongopinath Shivashanmugam, R&D-Bloomberg, Washington DC on 16.08.2014.

Interactions

To pave a way and to reduce fear for first year students, Senior Interaction and Counseling Session was conducted on 06.09.2014.They also motivated the students to get in to their college life.

Seminar

An seminar on "industry expectations from IT professionals" was conducted on 07.07.2014 by Mrs.Indu Padmanabhan, vice president -human resources to the final years to have a impact on technologies.

A new beginning, to the first year students(2014-2018) on 06.08.2014 was guided by Mr.HariharaSudhan Ramakrishnan, Head Consultant, Servion Global Solutions.

5G TECHNOLOGY

5G (5th generation mobile networks or 5th generation wireless systems) is also referred as beyond 2020 mobile communications technologies. 5G does not describe any particular specification but updated standards that define capabilities beyond those defined in the current 4G standards. Many of the technologies to be used for 5G will start to appear in the systems used for 4G and then as the new 5G cellular system starts to formulate in a more concrete manner, they will be incorporated into the new 5G cellular system.

5G mobile systems status

Every 10th year a new mobile generation has appeared approximately. The new 5th generation, 5G technology for cellular systems will probably start to come to fruition around 2020 with deployment following on afterwards. Predecessor technologies have occurred in the market a few years before the new mobile generation. Still no international 5G development projects have officially been launched and the current status of the 5G technology for cellular systems is very much in the early development stages. Several companies are looking into the technologies that could be used to become part of the system.

The major difference between 4G and 5G techniques can be

- lower battery consumption
- better coverage
- lower latencies,
- higher number of supported devices,
- lower infrastructure deployment costs,
- higher versatility
- scalability
- higher reliability of communications.

Facilities that might be seen with 5G technology include far better levels of connectivity and coverage. The term World Wide Wireless Web, or WWWW is being coined for this.

Other 5G concepts

There are many new concepts that are being investigated and developed for the new 5th generation mobile system. Some of these include:

• **Pervasive networks :** This technology being considered for 5G cellular systems is where a user can concurrently be connected to several wireless access technologies and seamlessly move between them.

• **Group cooperative relay:** This is a technique that is being considered to make the high data rates available over a wider area of the cell. Currently data rates fall towards the cell edge where interference levels are higher and signal levels lower.

• **Smart antennas:** Another major element of any 5G cellular system will be that of smart antennas. Using these it will be possible to alter the beam direction to enable more direct communications and limit interference and increase overall cell capacity.

These new 5G technologies are still being developed and the overall standards have not yet been defined. 5G technologies will change the way most high bandwidth users access their phones. With 5G pushed over a VOIP-enabled device, people will experience a level of call volume and data transmission never experienced before. 5G technology offer high resolution for crazy cell phone user and bi-directional large bandwidth shaping.

Key concepts of 5G

• Real wireless world with no more limitation with access and zone issues .
• Wearable devices with AI capabilities.
• Internet protocol version 6 (IPv6), where a visiting care-of mobile IP address is assigned according to location and connected network.
• One unified global standard.
• Pervasive networks providing ubiquitous computing: The user can simultaneously be connected to several wireless access technologies and seamlessly move between them concurrent data transfer paths.

Features of 5G Technology:

• The high quality services of 5G technology based on Policy to avoid error.
• 5G technology is providing large broadcasting of data in Gigabit which supporting almost 65,000 connections .
• The traffic statistics by 5G technology makes it more accurate.
• The 5G technology is providing up to 25 Mbps connectivity speed.
• The 5G technology also support virtual private network.
• The uploading and downloading speed of 5G technology touching the peak.
• The 5G technology network offering enhanced and available connectivity just about the world
• Through remote management offered by 5G technology a user can get better and fast solution.
• The remote diagnostics also a great feature of 5G technology.

5G specifications

Although the standards bodies have not yet defined the parameters needed to meet a 5G performance level yet, other organisations have set their own aims, that may eventually influence the final specifications.
Typical parameters for a 5G standard may include:

Network capacity   : **10000 times** current netowrk.
Peak data rate   : **10 Gbps**
Cell edge data rate : **100 Mbps**
Latency   : **< 1 ms**

5G Technology offers

5G technology is going to be a new mobile revolution in mobile market. Through 5G technology now you can use worldwide cellular phones and this technology also strike the china mobile market and a user being proficient to get access to Germany phone as a local phone. With the coming out of cell phone alike to PDA now your whole office in your finger tips or in your phone. 5G Technologies have an extraordinary data capabilities and has ability to tie together unrestricted call volumes and infinite data broadcast within latest mobile operating system. It can handle best technologies and offer priceless handset to their customers. 5G Technologies have an extraordinary capability to support Software and Consultancy. The Router and switch technology used in 5G network providing high connectivity. The 5G technology distributes internet access to nodes within the building and can be deployed with union of wired or wireless network connections.

Computer Tricks
WORLD OF TIPS & TRICKS

How To Bypass Or Kill Rapidshare Download Waiting Time:

Hack Your Rapidshare by using the Following Steps:

Step 1: Copy the Rapidshare link of the file to be downloaded in the address bar.

Step 2: Click free user button, and after clicking it the download timer will get started.

Step 3: Now Copy(Ctrl+c) and Paste(Ctrl+v) the following to the browser Address Bar,
javascript:alert(c=0)

Step 4: Press Enter.

Step5: That's it the download timer is gone and you can download the file.

Steps to Clean Your RAM Using Notepad:

Step 1: Open Notepad

Step2: Type FreeMem = Space (10240000000)

Step 3: Save it as "CLEANER.VBS" in any location you like.

Step 4: You can edit the code and write 512 instead of 1024 if you own a 512mb RAM or change to anything you like.

Step 5: Run it !

After this final step your RAM will be free.

Lock your computer using mouse:

We normally use Alt+Ctrl+Del orWindows+L to lock our PCs.Instead of trying those windows keyboard shortcut keys to lock Pc, lets now tryout something new.

Step 1: Just Right click on the desktop, point to New and click Shortcut.

Step 2: In the Create Shortcut dialog box, copy the following into the 'Type the location' of the item text box:

"rundll32   user32.dll,LockWorkStation" remove quotes while typing.

Step3: Click Next.

Step4: In "Type a name for this shortcut", type LOCK MY PC and Click Finish

Step 5: Now just double click on the icon, your desktop will be locked.

How to block sites on computer without using software:

It is very easy to block sites on computer without any software. This trick will work on Windows Vista, and Windows 7. I have tried this trick on all windows and it really works. Follow the steps below to learn how to block sites on computer.

Step 1: Go to Run(Windows Key + R)

Step 2: Type C:/windows/system32/drivers/etc/hosts

Step 3: Hit enter

Step 4: Open the file as Notepad

Step 5: Type 127.0.0.1 www.yoursitedomain.com below 127.0.0.1 local host

Step 6: Save it.

Step 7: Done!

YOU HAVE BEEN HACKED !

USERS ARE HACKED

Russian hackers posted nearly 5 million Gmail usernames and passwords to a shadowy bit coin forum pushed much of the Internet into a panic. Google's hundreds of millions of users scrambled to see if they were among those victims, though that act was a risk because of the number of phishing sites aiming to take advantage of the situation.

Many of the log-in credentials included in the database were likely snagged in old hacks, with security experts speculating that hackers were able to find an individual's information only after infiltrating another one of their online accounts and then trying that combination on Google.

GOOGLE'S STATEMENT

Google confirmed as much in a security statement, deeming the breach one of those "unfortunate realities of the Internet today" while advising all users to change their passwords frequently regardless.

"We found that less than 2% of the username and password combinations might have worked, and our automated anti-hijacking systems would have blocked many of those login attempts," the company said. "It's important to note that in this case and in others, the leaked usernames and passwords are not the result of a breach of Google systems."

Users can rest easier, if they simply change their password and turn on two-factor authentication, a minor extra log-in step that security experts have long advised users to employ to protect themselves.

"The security of our users' information is a top priority for us," the company said. "We have no evidence that our systems have been compromised, but whenever we become aware that accounts may have been, we take steps to help those users secure their accounts."

https://isleaked.com/action/check/

Google Search   I'm Feeling Lucky

HACKED DETAILS

The database (which International Business Times will not link to) contains 4.93 million Google accounts belonging to English, Russian and Spanish-speaking users. Posts on the Russian-language bit coin security forum asserted that more than 60percent of the identities in question were still in use and could be accessed immediately.

While many of the "hacked" Google identities may have in fact be the result of old hacks specifically from out dated accounts on sites like Friendster and eHarmony as well as phishing efforts, this update comes just days after 4.6 million Mail.ru accounts and 1.25 million email inboxes were illegally accessed. That information was uploaded to the same Russian bit coin forum.

Check Your Mails Here:https://isleaked.com/action/check/

AMAZON VS FLIPKART:

In an attempt to boost its Indian presence, online retail giant Amazon is offering salaries that are nearly 50 percent higher than the market average for graduates of top engineering and business schools in the country.

The competition for top candidates typically fresh out of college, or with a maximum of two year work experience, among the two online retailers, has pushed salaries at Flip kart from a base of 900,000 rupees ($14,800) to as much as 1.8 million rupees

In July, Amazon had announced that it will invest an additional $2 billion in its India business just a day after Flip kart announced that it had raised $1 billion in fresh capital. This has left the two companies with enough funds to significantly raise the pay scale of their employees while continuing to .expand their operations in India

CANDIDATES IN AMAZON:

"Candidates from India's leading engineering institutes and business schools form a major part of the talent pool at Amazon in India... Amazon is one of the preferred employers of choice in majority of

An Amazon official reportedly said that the company was looking to hire nearly 1,200 engineers by the end of the year official reportedly said that the company was looking to hire nearly 1,200 engineers by the end of the year

BACKDOOR ENTRY OF AMAZON

Amazon.com Inc. finds itself in a tax dispute with the government in the southern Indian city of Bangalore, where its local operations are headquartered. While thee-commerce giant from Seattle has argued that it only acts as an intermediary between sellers and buyers in the country, amazon has been accusedof violating India's foreign direct investment, or FDI, regulations by trying to make a "backdoore entry" into the country's retail business

INDIA'S FDI NORMS

According to India's FDI norms, overseas companies can only be involved in the multi-brand retail business through an Indian subsidiary or in a minority partnership with a local company

AMAZON IN INDIA

Amazon, which has reportedly opened three huge warehouses in Bangalore over the past year, operates what's known as the "marketplace model," which allows other companies to use Amazon's website to sell their products across the country

Amazon, which recently announced a plan to invest $2 billion as part of its expansion plans for India, has claimed that it is not flouting

any rules as it is only collecting commissions from dealers to deliver goods to customers. However, officials at the commercial taxes department in the state government of Karnataka, of which Bangalore is capital, have stated that if Amazon wants to conduct its business, it can do so only through an Indian subsidiary

While local dealers are liable to pay more than $16.5 million in Value Added Tax, or VAT, to the government, Amazon is only paying service tax on the commissions it earns for delivering the products

Amazon offers more than 17 million products across 28 categories in India

and its latest moves in the country are considered to be the company's attempt to take on Flip kart, India's largest e-commerce company, which announced in July that it had raised $1 billion from investors

Interesting Fact

There are approximately 1.06 billion instant messaging accounts worldwide

Drizzling Facts

The **Security Accounts Manager** (SAM) is a database file in Windows that stores users' passwords.SAM uses cryptographic measures to prevent forbidden users to gain access to the system.

On August 12, 1981, IBM introduced its new revolution in a box, the "Personal Computer" complete with a brand new operating system from Microsoft, a 16-bit computer operating

On February 15, 2010, Microsoft unveiled its next-generation mobile OS, Windows Phone.It has third largest installed base on smartphones behind Android and iOS.

The Smallest GUI OS is **KolibriOS**. The Size of this **KolibriOS** is **1.44 MB. This** can be stored even in a Floppy disk.

Symbian OS supports app extensions like,
Software Installation Script(**.sis**),java archive(**.jar**),Java Application Descriptor(**.jad**)

OS and Written Languages:
Windows: C++, kernel is in C
Mac: Objective C, kernel is in C (IO PnP subsystem is Embedded C++)
Linux: Most things are in C, many userland apps are in Python, KDE is all C++

Android Inc. was founded by Andy Rubin, Nick Sears, Chris White and Nick Sears in California in October 2003. The Android versions names are coined in alphabetical order with Eatable item names except first two versions(alpha, Beta). More than a million of apps in PlayStore as of July 2013 and more than 48 billion apps have been installed.

- **1973–1992** Mobile phones use embedded systems to control operation.
- **1993** The first smartphone, the IBM Simon, has a touchscreen, email and PDA features.
- **1996** Palm Pilot 1000 personal digital assistant is introduced with the Palm OS mobile operating system.First Windows CE Handheld PC devices are introduced.
- **1999** Nokia S40 OS is officially introduced along with the Nokia 7110
- **2000** Symbian becomes the first modern mobile OS on a smartphone with the launch of the Ericsson R380.
- **2002** Microsoft's first Windows CE (Pocket PC) smartphones are introduced.
- **2002** BlackBerry releases its first smartphone.
- **2005** Nokia introduces Maemo OS on the first internet tablet N770.
- **2007** Apple iPhone with iOS is introduced as an iPhone, "mobile phone" and "internet communicator."
- **2008** OHA releases Android 1.0 with the HTC Dream (T-Mobile G1) as the first Android phone.
- **2009** Samsung announces the Bada OS with the introduction of the Samsung S8500.
- **2010** Windows Phone OS phones are released but are not compatible with the previous Windows Mobile OS.
- **2011** MeeGo the first mobile Linux, combining Maemo and Moblin, is introduced with the Nokia N9, a collaboration of Nokia, Intel and Linux Foundation
- In **September 2011** Samsung, Intel and the Linux Foundation announced that their efforts will shift from Bada, MeeGo to Tizen during 2011 and 2012.
- In **October 2011** the Mer project was announced, centered around an ultra-portable Linux + HTML5/QML/JavaScript Core for building products with, derived from the MeeGo codebase.
- **2013** Canonical announced Ubuntu Touch, a version of the Linux distribution expressly designed for smartphones.
- **2013** BlackBerry released their new operating system for smartphones and tablets, BlackBerry 10.
- **2013** Google release latest version of Android Kitkat.
- **2014** Microsoft release Windows Phone 8.1 in February 2014.

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