Shivam Agarwal

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Education

2013–Present	**M. Tech**, International Institute of Information Technology, Bangalore, − *3.3/4.0*.
2007–2011	**B. Tech**, United College of Engineering & Research, Allahabad, − *74.25%*.
2007	**CBSE XII**, Tagore Public School, Allahabad, − *86.60%*.
2005	**CBSE X**, Bethany Convent School, Allahabad, − *87.20%* .

Work Experience

July 2011 -June 2013	**Systems Engineer**, Infosys Ltd., Chennai.
	Involved in automating application process for customers of RBS. Used IBM Websphere product - WAS for deployment as platform.

Achievements & Activities

June 2014 — **Speaker**, *Google Cloud Month - GDG Bangalore*.

Speaker for a day long workshop on Google Cloud Technologies organized by GDG Bangalore. Discussed and implemented various scenarios on GAE, Datastore and Blobstore for audience having on an average 5+ years industry experience.
http://www.gdgbangalore.blogspot.in/

Oct. 2013 - Present — **IIITB GVCL Member**, *Graphics-Visualization-Computing Lab*.

GVCL focusses on application of contemporary technologies in areas of Graphics, Visualization and Computing. I am involved in Visualization project for EMC^2, configuration and maintenance of the server system. http://www.iiitb.ac.in/GVCL/GVCL.html

July 2014 — **Social Activity**, *Serve Happiness Bangalore chapter*.

Commencing Serve Happiness Bangalore chapter in IIITB to promote people for contributing in NGO's. Visited GOONJ, donated clothes and organizing collection drive on college level next month.

Feb. 2014 — **Volunteer**, *IIITB Spandan*.

Volunteer for IIITB Spandan IT department. Responsible for handling Web portal, provide robust solution and maintain transparency in process.

2013 — **AIR 273**, All India rank of 273 out of 2,24,160 candidates in **GATE 2013**..

Dec. 2010 - July 2011 — **ESOSC**, *Engineers Society for Open Source Computing*.

Co-founder of ESOSC. Organized Active Learning Sessions for students which aims to spread knowledge on Free and Open Source Culture, contemporary technologies, areas of research and application of ideas.

Projects

Academic Projects

January 2014 - Present **Crowd-sourced Interactive Real-time Educational Game on Android**.
An engaging live quiz game in Android where players can add questions and compete against one another in real time.
GOOGLE APP ENGINE, MOBILE BACKEND, GOOGLE CLOUD MESSAGING, ANDROID

May 2014 - Present **Network Data Visualization for Security**, | EMC^2 − RSA.
Investigated, identified and implemented effective and intuitive visualizations of security analytics, ensuring that the Working enterprise security incident response teams can not only consume the security analytics results, but also make better informed decisions with regard to its correctness and criticality. http://www.http://sec-viz.appspot.com/
HTML5, D3.JS

Sep. 2013 - Dec. 2013 **Dial A Ride**.
Optimizing schedules of taxi, so that they can be shared among passengers which in turn is economical to passenger via sharing while enjoying comforts of a taxi.
JAVA, HEURISTICS, ALGORITHM

Sep. 2013 - Dec. 2013 **Task Scheduling in Cloud**.
Inside cloud, virtual machines are run on top of host operating system of a single high end machine with lots of resources. The project simulates four different techniques of assigning the tasks to a virtual machine in a cloud.
JAVA, ALGORITHM

Jan. 2011 - July 2011 **Interactive Whiteboard**.
Built Interactive Whiteboard using the 3-axis accelerometer (ADXL 330) and infrared camera built inside the Nintendo's Wiimote. Enables any surface to be used as touchscreen with the help of infrared pen.
JAVA, JNI, BLUETOOTH

Hobby Projects

Oct. 2013 - Dec. 2013 **Project Compendium** .
Project Compendium aims to gather information related to projects from different universities. One can upload the Project details just by signing in with their gmail account. It provides a visual way to analyse it which helps in strong decision making by higher level authorities.
http://gcdc2013-projectcompendium.appspot.com/WelcomeGuestAction
GOOGLE APP ENGINE, STRUTS2, DATASTORE, HTML5

Jan. 2014 - March 2014 **IIITB Spandan**.
Annual Sportsfest in IIITB.A web registration & information portal. Some issues which were required to be addressed - simple, scalable and stable architecture to handle peak loads and easy upload of results. My duties were to host the site on Google Cloud, manage availability and security. http://www.iiitbspandan.in/
GOOGLE APP ENGINE,STRUTS2, HTML5, JQUERY

Computer skills

Languages C(moderate),C++, Java

Web Prog. J2EE, HTML5, JSON, Jquery, Struts2, d3.js

Database MySql, DataStore

Technologies Google Cloud Technologies - GAE, Computing Engine, GCM and Cloud Endpoint. Shell scripting, JSP, LATEX