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**Software Developer and Programmer**  
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## Education

- 2011–2015 **Bachelor of Technology in Computer Science and Engineering**, *International Institute of Information Technology Hyderabad*, **CGPA – 9.32**.  
(expected)
- 2011 **Senior Secondary Examination**, *MVN Sector-17, Haryana*, CBSE Board, **Percentage – 92.00%**.
- 2011 **Higher Secondary Examination**, *MVN Aravali Hills, Haryana*, CBSE Board, **Percentage – 98.20%**.

## Experience

- May–July'14 **Software Engineering Intern**, GOOGLE.  
Worked with **Dasher Reporting Team** at Google Hyderabad on Automated Reporting Backend.
- March'14– Present **Open Source Developer**, BENETECH.  
Developed the **MathML Cloud API** and deployed it on the Google Compute Engine, under Google Summer of Code 2014.
- Jan–April'14 **Teaching Assistant**, IIIT HYDERABAD.  
Worked as a Teaching Assistant for **Artificial Intelligence** course.
- Aug–Oct'13 **Software Development Intern**, INFO ASSEMBLY.  
Worked with InfoAssembly (US based startup) to build their **database** using mongodb NoSQL database. Developed **Web Framework** using Node.js and Angular.

## Achievements

- 2014 Selected for **Google Summer Of Code 2014**.
- 2013 Selected for **ACM ICPC 2013 Asia Amritapuri Regional**. Team: beginners-4
- 2012 Awarded the **Dean's Merit List** for all semesters till date.
- 2011 Secured **All India Rank 2172 (99.78 percentile)** in AIEEE 2011.
- 2011 Secured **All India Rank 4987 (99.05 percentile)** in IIT-JEE 2011.
- 2009 Was one amongst 100 meritorious students to witness 2010 Republic Day Parade from **Prime Minister's Box** for securing **All India Rank 3** in CBSE 10th Board Exam.
- 2007 Cleared all but the interview level in **National Talent Search Examination 2007**.

## Projects

### Automated Reporting Backend

- Guide **Venkatramaiah Polasanapalli, Rahul Kuchhal**, Google.  
Worked on automating the rerunning of *Analytics pipeline* which reads data provided by different Application teams like gmail, gplus and integrate into Dasher Reporting backend.

### Wikipedia Search Engine

- Guide **Prof. Vasudev Verma**.  
Designed a scalable and efficient search engine using 40GB of Wikipedia data.

## E-Classroom

Guide **Prof. Kavita Vemuri.**

Developed an Intranet based Virtual Classroom that facilitates learning through videos, audios and builds a multi-tasking and multi-sourcing learning platform.

### [Automated Semantic Tagging of Speech and Audio data](#)

Guide **Prof. Kishore S. Prahallad.**

The aim of project is to build a machine learning algorithm to automatically tag the unknown audio and speech data into different semantic categories.

### [Face Recognition Tool](#)

Guide **Prof. Anoop Namboodiri .**

Worked on a real time system that can locate and track a subject head, and recognize the person by comparing characteristics of the face to those of known individuals.

### [Compiler for Decaf language](#)

Guide **Prof. Suresh Purini.**

The project involved writing a parser for parsing the source code, constructing an AST of the given source code and generating IR code from each of the nodes in the AST, and then evaluating this IR.

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## Technical skills

Languages C(Advanced), C++(Advanced), Bash(Moderate), Python(Moderate), Java(Basic)

Web HTML5(Advanced), Php(Moderate), Javascript(Moderate)

Databases MySql(Moderate), NoSql(Basic), mongodb(Basic)

Platforms Linux, Windows, Android

Tools Vim(Advanced), Eclipse(Moderate), Matlab(Basic), Emacs(Basic), L<sup>A</sup>T<sub>E</sub>X(Basic)

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## Programming Statistics

Github Open Source Contribution – [mohit-agarwal](#)

SPOJ pt\_019

Codechef pt\_019

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## Other Interests

- Contributing to **Open Source**. Worked on [browserid](#) product of Mozilla.
- **Blogging** on [Shell programming](#).
- Active member of **Arts** Club and **Adventure** Club of IIIT-H.

I hereby declare that the above information is correct to the best of my knowledge.

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*Last updated on August 5, 2014.*