

# Avantika Mudumbai

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## EDUCATION

### INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY

BANGALORE

INTEGRATED MTECH. IN CSE

2019 - Present

CGPA: 3.25/4

### FIITJEE JUNIOR COLLEGE

HYDERABAD

SENIOR SECONDARY EDUCATION

2017-2019

TSBIE: 92%

### CHIREC INTERNATIONAL

HYDERABAD

HIGHSCHOOL

2015-2017

CGPA: 10/10

## LINKS

GitLab:// [avantikaaa](#)

LinkedIn:// [Avantika Mudumbai](#)

Facebook:// [Avantika Mudumbai](#)

Twitter:// [@\\_avantika](#)

## COURSEWORK

### GRADUATE

Advanced Machine Learning

Open Source Software Engineering

Advanced Interactive Graphics

Compilers + Practicum

Cloud Computing

### UNDERGRADUATE

Information Retrieval

Operating Systems

Artificial Intelligence + Practicum

Functional Programming

Computer Graphics + Practicum

(Research Asst. & Teaching Asst)

Unix Tools and Scripting

## SKILLS

### PROGRAMMING

Over 5000 lines:

Java • Shell • JavaScript • Matlab

OCaml • Python • Rails •  $\LaTeX$

Over 1000 lines:

C • C++ • CSS • PHP • Assembly

Familiar:

AS3 • iOS • Android • MySQL

## EXPERIENCE

### COURSERA | KPCB FELLOW + SOFTWARE ENGINEERING INTERN

Expected June 2014 – Sep 2014 | Mountain View, CA

- 52 out of 2500 applicants chosen to be a KPCB Fellow 2014.

### GOOGLE | SOFTWARE ENGINEERING INTERN

May 2013 – Aug 2013 | Mountain View, CA

- Worked on the YouTube Captions team in primarily vanilla Javascript and Python to plan, design and develop the full stack implementation of a new framework to add and edit Automatic Speech Recognition captions.
- Created a backbone.js-like framework for the Captions editor.
- All code was reviewed, perfected, and pushed to production.

### PHABRICATOR | OPEN SOURCE CONTRIBUTOR & TEAM LEADER

Jan 2013 – May 2013 | Palo Alto, CA & Ithaca, NY

- Phabricator is used daily by Facebook, Dropbox, Quora, Asana and more.
- I created the Meme generator, the entire Lipsum application, ported Tokens to different apps, fixed many bugs and more in PHP and Shell.
- Led a team from MIT, Cornell, IC London and UHelsinki for the project.

## RESEARCH

### CORNELL ROBOT LEARNING LAB | HEAD UNDERGRAD RESEARCH

Jan 2014 – Present | Ithaca, NY

Worked with **Ashesh Jain** and **Prof Ashutosh Saxena** to create **PlanIt**, a tool which learns from large scale user preference feedback to plan robot trajectories in human environments. Publication submitted.

### CORNELL PHONETICS LAB | HEAD UNDERGRADUATE RESEARCHER

Mar 2012 – May 2013 | Ithaca, NY

Lead the development of **QuickTongue**, the first ever breakthrough tongue-controlled game with **Prof Sam Tilsen** to aid in Linguistics research. Publication submitted.

## AWARDS

2014	top 52/2500	KPCB Engineering Fellow
2014	2 <sup>nd</sup> most points	Google Code Jam, Qualification Round
2014	1 <sup>st</sup> /50	Microsoft Coding Competition, Cornell
2013	National	Jump Trading Challenge Finalist
2013	7 <sup>th</sup> /120	CS 3410 Cache Race Bot Tournament
2012	2 <sup>nd</sup> /150	CS 3110 Biannual Intra-Class Bot Tournament
2011	National	Indian National Mathematics Olympiad (INMO) Finalist
2010	National	Comp. Soc. of India's National Programming Contest

## SOCIETIES

2014	top 12%ile	Tau Beta Pi Engineering Honor Society
2014	National	The Global Leadership and Education Forum (tGELF)
2012	National	Golden Key International Honor Society
2012	National	National Society of Collegiate Scholars