

# Animesh Fatehpuria

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## EDUCATION

### GEORGIA TECH

BS in Computer Science  
August 2016 - May 2020  
Cumulative GPA : 3.87/4.0  
Major GPA : 4.0/4.0

### LA MARTINIERE FOR BOYS

High School | Kolkata, India  
ISC Grade 12 - 94%  
ICSE Grade 10 - 97.2%

## COURSEWORK

### FALL 2017

Design and Analysis of Algorithms  
Honors Linear Algebra  
Intro to Artificial Intelligence  
Computer Organiz&Program

### FALL 2016 - SPRING 2017

Honors Discrete Math  
Data Structures and Algorithms  
Object-Oriented Programming  
Single Variable Calculus

## TEACHING

### FALL 2017

Head TA - Honors Discrete Math

## SKILLS

### PROGRAMMING

100000+ lines:

Java • C++

5000+ lines:

Python

Familiar:

ΛTεX • Javascript • SQL

## LINKS

Personal Website://[animeshf](http://animeshf.com)

LinkedIn: // [animeshf](#)

Github:// [animeshf](#)

DevPost: // [animeshf](#)

Codeforces:// [rekt\\_n00b](#)

TopCoder:// [animesh\\_f](#)

HackerRank:// [rekt\\_n00b](#)

CodeChef:// [animesh\\_f](#)

SPOJ:// [animesh\\_f](#)

## EXPERIENCE

### QUORA | SOFTWARE ENGINEERING INTERN

May 2017 - Aug 2017 | Mountain View, USA

- Optimized Ask Bar by reducing load on Elasticsearch backend by 45% on mobile and 28% on web.
- Created a VIP Query abstraction using MySQL to augment the results of Elasticsearch queries and surface more relevant results in search.
- Created an efficient and scalable abstraction to support partial updating for Elasticsearch documents.

### CODECHEF | PROBLEM SETTER AND TESTER

May 2016 - January 2017 | Kolkata, India

- Designed algorithmic challenges for various online programming contests on Codechef, including **Codechef Lunchtime** and **ACM ICPC India Finals**.
- Wrote detailed tutorials on several complex algorithmic problems.

### SMSDOC | PREVENTING EPIDEMICS

September 2016 | PennApps XIV Hackathon, Philadelphia, USA

- **SMSDoc** is an SMS-based healthcare information service leveraging the fact that cell phones are extremely prevalent worldwide but internet is not.
- Received **Honorable Mention** and **2nd prize** for best use of Nexmo API

### TUTORIAL DESIGN AND WRITING | ALGORITHMS

January 2016 - Present

- Wrote a tutorial titled **Mo's Algorithm for Path Queries on Trees**, describing a technique I'd formulated while solving a graph theory problem online.
- Received over 400 upvotes and entered the **Top 75** all time contributors list.

## COMPETITIVE PROGRAMMING

### ACM INTERCOLLEGIATE PROGRAMMING CONTEST

November 2016 | Atlanta, USA

- Ranked **6th** in the ACM-ICPC USA South East Regionals Programming Contest.

### BLOOMBERG CODECON WORLD FINALS

January 2017 | New York City, USA

- Ranked **2nd** out of **146** contestants in the **World Finals** of Bloomberg CodeCon 2017. The contest featured finalists from over 45 universities in North America, Europe, and the Middle East.

### INTERNATIONAL OLYMPIAD IN INFORMATICS

2015 - 2016 | Bangalore, India

- Out of thousands who students who participate in the regional and national rounds of the Olympiad, 25 qualify for the **IOI Training Camp**.
- Qualified for the IOI Training Camp in 2015 and 2016 and was ranked among the Top 10 in the camp.

### ONLINE PROGRAMMING CONTESTS - ALL AGES

May 2016 - Present

- Ranked **298/64000** worldwide and **4/6228** in India in **Google Code Jam 2017**.
- Ranked **50/14000** worldwide in the Codechef Snackdown Programming Contest in July 2016. Qualified for World finals in Mumbai, India.
- Ranked **33/6576** worldwide in HackerRank University CodeSprint 2 and **68/5496** worldwide in HackerRank University CodeSprint 1.