

# CHIRAG MAHESHWARI

Final Year Undergrad at IIT Roorkee | Software Developer

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## EXPERIENCE

### Software Developer

#### Bolo (Incanus Technologies Pvt. Ltd.)

Aug 2018 – Present

Bengaluru, India (Remote)

- Bolo is a video questions and answers platform for Indian users. Handled the complete backend built on Python's Django framework and other micro services.
- One to one video call scheduling, payment gateway integration and connecting via webRTC, implemented and deployed custom TURN / STUN and Signalling servers
- Feed Performance: database optimizations, caching using Redis, thumbnail blurred previews implementation using AWS lambda
- Search Optimization: implemented both Postgres Full-Text Search and Elastic Search with support for Hindi characters
- Worked on transcoding videos to various formats and adaptive streaming using HLS protocol
- Developed various in-house tools to help teams in their daily tasks
- Managing servers on AWS stack, load balancing, scaling etc.

### Google Summer of Code 2018 Participant

#### Amahi (Backend Developer)

May – August 2018

California, United States (Remote)

- Revamped the complete backend, Amahi Proxy Server and Amahi Anywhere File Server in Go Lang
- Migrated from HTTP/1.1 & SPDY/3.0 to HTTP/2 for connection between different servers
- Designed and developed the APIs for complete end to end implementation of Non-Admin User login and Friending functionality for Amahi HDA
- Also worked on the analytics dashboard for proxy server

### Technology Summer Analyst

#### Citicorp Services India Limited

May – July 2018

Pune, India

- "Task Tracker" project to track and maintain all the projects going on in the department with different tasks in several sprints assigned to different resources. Designed and developed the complete solution from frontend to backend using JAVA Spring and bootstrap, jQuery etc.

### Google Summer of Code 2017 Participant

#### Amahi (Android Developer)

May – August 2017

California, United States (Remote)

- Implemented new features to the Amahi Anywhere android app like file upload and delete; auto image upload on new photo capture using any camera app; chromecast support for casting audio, video and photos; new native android video player; status bar and lockscreen notifications for controlling audio playback; swipe gestures in video player for controlling brightness, volume and video position

### Backend Developer

#### Vernacular.ai

May – July 2017

Bengaluru, India

- Designed and developed the complete backend platform from scratch based on micro-services architecture in Django and Node.JS
- worked as an android developer building a SDK which others can use as a library in their project.
- Had experience with server setup, testing and deployment on AWS console with proper testing on Jenkins.

## EDUCATION

### Bachelor of Technology

#### Indian Institute of Technology Roorkee

2015 – 2019

7.273 CGPA

- Joint Secretary – Mobile Development Group (2016 - 2019)
- Executive Member – SDS Labs (2017 - 2018)

### Twelfth

#### The Aditya Birla Public School Khor (CBSE)

2014

91.6%

### Tenth

#### The Aditya Birla Public School Khor (CBSE)

2012

10 CGPA

## ACHIEVEMENTS

- Winner at Panasonic Mobivation 2016, Cash prize of Rs. 1.4 Lac along with a smartphone
- Aditya Birla Pratibha Scholar (2016-2019)
- Finalist of Kaspersky Secur'It Cup 2018 international competition held in Budapest, Hungary
- Finalist of Kaspersky Cyber Security for the Next Generation 2017 international competition held in Prague, Czech Republic
- Secured 3rd position in 4th Inter IIT Tech Meet in Hardware Modelling category. Developed a prototype of automated robot toilet cleaner.

## PROJECTS

### Convocation App

- Official mobile application of IIT Roorkee for Annual Convocation Event. Worked on iOS app and backend.

### Status Bar Notifier (Android Library)

- An Android library providing a new way to flash your toast notifications in status bar.

### Appetizer

- App that allows user to view mess menu, give feedback regarding meals and check-in or check-out themselves from the mess. Developed the complete backend for this project in Django.

### 108 Server | 108 Hackathon (IIT Madras)

- Online Server for handling 108 emergency requests. Developed complete backend on Node.JS with Mongo db and two native Android apps for driver and patient.

## SKILLS

Java Python Django Node.JS Android  
Go Lang Swift PHP MySQL PostgreSQL  
HTML / CSS JS / jQuery

## ADDITIONAL COURSES

Design and Analysis of Algorithms  
Database Management Systems Economics  
Fuzzy Set Theory and Fuzzy Systems