

# Aman Bhatnagar

Fascinated by Technology, Innovation and the Computational Algorithmic Power



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## EDUCATION

### Bachelor of Engineering(B.E), Information Science and Engineering Ramaiah Institute Of Technology

06/2017 - Present

CGPA - 9.36

### XII(Pre-University)- Science St. Mary's Convent Inter College

04/2015 - 03/2017

92.5 %

### X(Secondary) St. Mary's Convent Inter College

04/2005 - 03/2015

95.2 %

## WORK EXPERIENCE

### Intern - Full Stack Web Developer Intensel Limited

06/2020 - Present

Tasks

- Working on a GIS SaaS which serves as a platform for data visualisations based on various climatic factors and hazards over a given geographical region in a given time-frame. Includes calculating loss of buildings due to these hazards and components like Invoice and Billing generation. Includes heatmap visualisations based on raster layers on satellite maps.
- Tech stack - Django, Django Rest Framework, Bootstrap, Mapbox, Chartjs, AWS EC2 and S3 bucket.

### Intern - Software Developer Rai Techintro

07/2019 - 08/2019

Bangalore

Tasks

- Made a website to ease out the work of HR's in the company and replace the idea of tediously maintaining excel sheets for storing various kinds of information. Loaded with abundant features like CSV bulk upload, tracking candidates, scheduling interviews and automated emails, it served as a full-fledged product to use giving different privileges and roles to the admins and staff of the company.
- Tech stack - Django framework, Bootstrap and PostgreSQL.

### Treasurer IEEE RIT

01/2020 - Present

Bangalore

Tasks

- Treasurer at IEEE RITB Student Branch. Have been managing the account and finance of the club in coordination with Global IEEE Bangalore Section.

### Head of Sponsorship IEEE RIT

01/2019 - 12/2019

Bangalore

Tasks

- Served as the head of sponsorship and helped IEEE RITB get sponsors for our various flagship fests throughout the year.

## SKILLS

Django

Python

Angular 7

Java

Flask

Google Cloud Platform

HTML

CSS

Javascript

Data Structures

Algorithms

Google Actions

C++

REST API

MySQL

PostgreSQL

AWS EC2

C

Django Rest Framework

Supervised Machine Learning

## PROJECTS

### Police Beats Allocation (08/2020)

- This project focuses on beats and resource allocation of police. Allocation can be static as well as dynamic based on instant emergency alerts. After deployment, an automated schedule message is sent to the mobile of the police. Worked on the backend, REST API's and allocation UI.
- <https://github.com/On-Duty-Org/Beats-Allocation-SIH>

### IPR Website (10/2019 - 11/2019)

- Made on Django framework and JavaScript, Bootstrap for the course Intellectual Property Rights, to enable students to upload their photos, presentations and skit video content conducted as a part of classroom activity sessions. Each team has a unique auto-generated report which provides a glimpse of the activities conducted by that team.
- [https://github.com/amy28/IPR\\_Website](https://github.com/amy28/IPR_Website)

### Women Suraksha (10/2019 - 11/2019)

- A Flutter app with Google Assistant to help the women in case of an emergency. Contains an alert mode and trouble invocations supported in multiple languages. Nearest police stations are searched based on current location. Worked on google assistant and Google Cloud geocoding API's.
- <https://github.com/amy28/WomenSuraksha>

### Talk Braille (12/2019)

- A front-end portal which contains the detailed information about the products built and the initiatives taken by my college team to help the blind students in blind schools with their educational needs.
- [https://github.com/amy28/TalkBraille\\_2](https://github.com/amy28/TalkBraille_2)
- Live hosting on : [www.talkbraille.in](http://www.talkbraille.in)

## ACHIEVEMENTS

### Winners Smart India Hackathon 2020 (08/2020)

Organisation - National Crime Records Bureau. Made solutions to digitalize, automate and optimize daily life operations of police.

### 2nd Prize - Microsoft IncubateIND Hackathon (12/2019)

Used MapmyIndia API's and SDK's and worked to automate emergency services.

### 2nd Prize - Microsoft Innovation PES HashCode (10/2019)

Worked on the theme of Women Safety and bagged the 2nd position.

### Consolation Prize Winners GE Healthcare Precision Hackathon (01/2020)

Conducted at GE Healthcare JFWTC Office, Bangalore. Worked on Hospital Internal Workflow Automation by reducing patient wait times.

### 2nd Prize - Ideathon RIT (03/2020)

Worked on the theme of Societal Needs.

### Top 4 in Rakuten CodeFury 2.0 Hackathon (09/2019)

Worked on boosting D-commerce by providing detailed Sentiment Analysis and course review to online courses teaching services.