

# 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

07/2020 - 02/2021

Tasks

- Worked on a GIS SaaS which serves as a platform for climatic hazard analysis over a given geographical region of the world in a given time-frame. Involves visualisation of data and analytics like loss exposure on buildings, their climatic score and plotting of raster layers on satellite maps, all bundled in an interactive dashboard.
- Tech stack - Django, Django Rest Framework, Bootstrap, ArcGIS, Plotly, AWS EC2, Amplify and S3 bucket.

### Intern - Software Developer Rai Techintro

07/2019 - 08/2019

Bangalore

Tasks

- Made a web-based software to ease out the work of HR's in the company and replace the traditional idea of maintaining excel sheets for storing various information. Loaded with abundant features like CSV bulk upload, shortlisting and tracking potential candidates, scheduling their 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 - 12/2020

Bangalore

Tasks

- Served as the Treasurer at IEEE RITB Student Branch. Managed the finance and cash inflow and outflow in coordination with the concerned faculties.

### 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

Java

REST API

HTML

CSS

Django Rest Framework

Javascript

PostgreSQL

C

C++

AWS

Data Structures

Algorithms

SQL

Google Actions

GCP

Flask

ArcGIS

Mapbox

## PROJECTS

### Police Beats Allocation (08/2020)

- This project focuses on beats and resource allocation of police. Allocation can be static or dynamic based on instant emergency alerts. After allocation, 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 - Ideathon RIT (03/2020)

Worked on the theme of Societal Needs.

### 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 - Microsoft IncubateIND Hackathon (12/2019)

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

### 2nd Prize - SIH Internal College Hackathon ( 12/2019)

Optimised previously built solutions of Women Safety

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

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

### 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.