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 - 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 loss calculation of buildings due to these hazards and components like Invoice and Billing generation. Includes plotting of raster layers on satellite maps.
- 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 website meant 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 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 IEEE technical club in college.

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` `MySQL` `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/amyy28/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/amyy28/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/amyy28/TalkBraille_2
- Live hosting on : 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.