

Saurabh Agarwala

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• Education:

- [National Institute of Technology Karnataka \(NITK\), Surathkal](#) Aug 2017 – April 2021(Expected)
 - B.Tech in Information Technology
 - GPA of 8.84/10.00 as of July 2019
- **Higher Secondary Education and Entrance Examinations**
 - All India Rank of **4497 out of 1.2 million** candidates in JEE Main-2017
 - 86.8% with **95% in PCM** in AISSCE-2016 exam for 12th standard conducted by CBSE

• Experience:

- May 2019 - July 2019: **AI Intern** at [Binaize Labs](#), a startup in Bengaluru. Worked on **Sales Forecasting** for a retail brand. Using both historical sales data as well as attributes of stores and products, built - a) **Classical Time Series models** (ARIMA, etc), b) **Attribute-Based Forecasting models** (Random Forest, etc). Worked on **scaling the models** during both training time and during inference time.
- May 2018 – July 2018: Gained industrial experience and was trained in the field of **Web Development** at [Rise](#), a software company in Vizag as a summer intern. The technologies covered in the training program included HTML, CSS, JS and Bootstrap.

• Skills:

TECHNICAL	Experienced In	Familiar With
Programming, Markup and Scripting Languages	C, C++, Python, HTML, JavaScript	Java, TypeScript, GoLang, Bash
Tools	Git, VS Code, AWS EC2, Jupyter, Google Colab, Google Search Console	Microsoft Azure, Docker
Frameworks, APIs and Libraries	STL, BootStrap, Django, Flask, OpenGL	Angular, Node.js, Buffalo

- **Leadership and Management:** Have lead teams of size ranging from 4-8 people for various academic and mentorship projects. Also, have taken up many prominent leadership roles in the college.

• Selected Projects

(All projects available on [GitHub](#))

- [TaskForce](#): TaskForce is a Web Application developed by me as a part of the IIT-Bombay FOSSEE Fellowship Screening Test. The app supports creating teams, adding members to the teams, creating tasks, assigning it to selected members of a team, authentication, privacy and comments features.
- [SpeechTox](#): Web app developed as a part of a 24-hr hackathon along with a team of 3. The app employs a Linear Regression model to classify texts and songs into six categories of toxicity.
- [Incident 2019 Website](#): Worked on **SEO** of the college cultural fest 'Incident' 2019 Website. The site enjoyed top ranks on all major search engines, hence easing the search for thousands of users.
- [Attendance Management System](#): Developed as a team, an application to scan QR Code and record the attendance of students pursuing a particular course. This involved developing an Android App, setting up a server, using shell scripts and implementing the main backend logic using Java.
- [Ubuntu Developers Upgrade](#): Worked with a team to develop a portal for updating to Ubuntu 18.04 version and installing desired packages, utilities and themes through options rather than commands.
- [Disaster Management App](#): Developed as a team, an application to help in managing and handling the aftermath of a disaster as a part of Microsoft codefundo++ competition. Deployed using Azure.
- [Merkel Tree – Audit Proof](#): Worked with a team on a DSA project to implement Audit-proof using Merkel Trees with Python as the implementing language.

• Extra-Curricular

- **Internship Coordinator** in the college for the year 2019-20
- Executive Member of IEEE NITK and Member of IEEE Computer Society
- Web Collaborator at Web Enthusiasts' Club NITK
- Executive Member of Artists' Forum NITK
- Member of Debating Society of the college
- Blog writer at [IEEE NITK](#)