KUNAL DHANRAJ MOHARKAR

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EDUCATION

Visvesvaraya National Institute of Technology - Nagpur, India   **July 2018 - present**
- BTech in Computer Science and Engineering – **CGPA: 9.40/10**
- **Courses:** Data structures and Algorithms, Operating Systems, DBMS, Object Oriented Programming, Web Development

WORK EXPERIENCE

Technology Analyst Summer Intern, CITI – Pune, India   **May 2021 – July 2021**
- Reduced the computation time by **~67%** of the python-based risk calculation and PnL scripts using **Multithreading.**
- Developed a web API using **Django**, leading to ease in scripts invocation.

Web Team AXIS, VNIT – Nagpur, India   **Dec 2020 – Mar 2021**
- Developed an event registration portal for AXIS- Techfest, VNIT using **Django Framework.**
- Designed a high end responsive UI using **CSS Animations**, **Particle JS** and **jQuery**.
- Deployed the website using **AWS**, successfully handled **1700+ users** registering for multiple events.

PROJECTS

Chatroom
- Developed a web socket API, using **Express JS** and **Sockets.io** to build real-time chatroom plugins.
- Deployed a **React JS** web app consuming the API using **Heroku** and **Netlify.**

Student Portal
- Developed a Projects section using **Django-rest-framework** and **React JS** for the Student portal, VNIT web Platform, leading to the digitization of the process of project application on campus.
- Secured the APIs using **JWT** authentication and migrated the media storage to the **AWS S3** bucket.

Proserv
- Developed a home service booking platform using **JSP** and **Java Servlets**.
- Implemented features like filters and dynamic Loading along with **an FCFS** booking system.

Election Portal
- Developed a platform to conduct online elections in universities using **Django**.
- Handled multiple constraints like - Restricted elections, One vote per voter, and time window implementation.
- **Dockerized** the application and also set up a **CI pipeline** using Travis.

SKILLS

- **Programming Languages : C, C++**(advanced) **Python, JS(ES6)** (intermediate)
- **Frontend : HTML, CSS, Responsive Design**(intermediate), **Sass, jQuery** (beginner), **React JS** (intermediate)
- **Backend : Django, Django-Rest** (advanced), **Express JS, Rest APIs**(intermediate), **LAMP**(beginner)
- **Mobile Development : React Native** (beginner)
- **Databases : MYSQL**(intermediate)**, Mongo**(beginner)
- **Others : AWS, Travis, Docker**(beginner), **Version control** (intermediate)

ACTIVITIES

- Worked as **Publicity In-charge** of Junior Scientist, a school event. The event had a participation of **2500+** students from schools all over Nagpur.
- Secured a position In **top 50 teams** at **HACK 36** organized by **MNNIT, Allahabad**