

Himanshu Bobade

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EDUCATION

NIT RAIPUR

B.TECH IN ME + MINORS IN CS
Graduated 2021

ALGOUNIVERSITY (YC S21)

HEAD-QUARTERED IN SAN
FRANCISCO
Leap Batch of 2023

Learned Problem Solving and solved 300+ problems using DSA & made scalable projects under mentorship of Senior Engineers from Google, Apple, Grab Singapore and Microsoft .

COURSEWORK

ALGOUNIVERSITY

CS Fundamentals
Building Scalable Projects
Operating Systems
Database Management System
Object Oriented Programming
Computer Networks

SKILLS

PROGRAMMING LANGUAGE

- C++(Proficiency: DSA)
- Javascript
- java
- Python(Proficiency: Django)

FRAMEWORKS

- Django
- Node.js
- Express.js

WEB TECHNOLOGIES

- React.js
- Html
- REST Api

DATABASES

- Mongo DB
- PostgreSQL
- MySql

DEV TOOLS

- Github
- Docker
- Amazon EC2

PROJECTS

SCALABLE ONLINE JUDGE

- **Project link** -<https://bit.ly/3EjvFpW>
- Online Judge, a **MERN** stack-based **programming platform** enabling users to submit, compile, and test their code across a diverse range of **20+ test cases** .
- **Render** cloud application hosting was utilized to **deploy** the **Online Judge** project.
- Leveraged **MongoDB** as the chosen **NoSQL** database, proficiently storing **15+problem specifics** , test cases, and user submissions.
- Enabled users to **upload** custom **problems** with **10+ test cases** .
- Employed **Docker** to establish a **secure execution** environment, safeguarding the host machine from potential threats and malicious code.
- Ensured robust user **authentication** and **authorization** through the implementation of **JSON Web Tokens (JWT)** and **Bcryptjs** for password hashing.
- **Tech stack-** MongoDB, Express.js, React.js, Node.js, Docker, and Render.

JOB TRACKING APPLICATION

- **Project link** - <https://bit.ly/3rW4nTf>
- Jobify, a **MERN** stack-based **job tracking platform** that empowers users to efficiently manage **job-related information** such as job names, company details, job status, types, and locations.
- **Render** cloud application hosting was utilized to **deploy** the **Jobify** project.
- Employed **MongoDB** as the selected **NoSQL database** , adeptly storing comprehensive **job particulars** .
- Incorporated advanced features including **dynamic filtering** , **sorting** , and **pagination** into the application.
- Enhanced engagement with dynamic **React.js** front-end, including **dark mode** , **Cloudinary** for handling user **profile avatars** and images.
- **Tech stack-** MongoDB, Express.js, React.js, Node.js, and Render.

TASK MANAGER

- **Project link** - <https://bit.ly/454CeYD>
- Created a **To-Do List** app using **Django framework** and hosted it on **AWS EC2** .
- The app included **CRUD** functionality, allowing users to **create, read, update, and delete** tasks. **SQLite** database was used to store and retrieve data.
- **Tech stack-** Python, Django, Docker, SQLite, and AWS EC2.

SAE INDIA SUPRA

- Designed and manufactured **intake and exhaust system** for KTM 390 engine.
- Team achieved overall **51st Rank** and Ranked under Top 10 teams in design evaluation among 128 teams at **Buddha International Circuit Greater Noida** .

ACHIEVEMENTS

- Got into top **2%ile** of applicants and selected in **Algouniversity Accelerator** and received mentorship from Senior Engineers from Google, Apple, Grab Singapore and Microsoft.
- Achieved **5 star** badge in **SQL** on HackerRank by solving **20+** problems.
- Solved **150+** questions on LeetCode based on data-structures and algorithms.