

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

Problem Solving using DSA
CS Fundamentals
Building Scalable Projects
Data Structures and Algorithms
Operating Systems
Database Management System
Object Oriented Programming
Computer Networks

SKILLS

PROGRAMMING LANGUAGE

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

FRAMEWORKS

Django

WEB TECHNOLOGIES

HTML • REST API

DATABASES

Postgres • MySql

DEV TOOLS

Git • Github • Docker • Amazon EC2

PROJECTS

SCALABLE ONLINE JUDGE | Feb '23 - April '23 |

- **Project link** - <https://bit.ly/44H4CAT>
- **AWS EC2's** infrastructure was utilized to deploy the **Online Judge** project and generate a HTTP URL.
- Online Judge is a **Django** based programming platform that implements the **Model-View-Template (MVT) architecture**, allowing users to submit their code for compilation and testing against a set of 20+ test cases for a given problem.
- Used Relational database- **AWS PostgreSQL** to store the data for **15+ Problems and 20+ Test-cases** for each problem.
- Implemented **sand-boxing** techniques to ensure that the code execution was isolated from the host machine and protected from malicious code.
- Containerization of the application was done by **Docker** which involved packaging the application and its dependencies into a single portable unit.
- **Tech stack**- Python, Django, Docker, PostgreSQL, and AWS EC2.

STYCH-MATE | APR '23 - MAY '23 |

- Designed and developed an innovative "**UBER for Tailors**" app using the **Django framework**, connecting tailors with customers requiring tailoring services.
- Developed an **automaton** using Django's scheduling capabilities, which adds **1000 orders** per day at frequent intervals, allowing tailors to choose their preferred SKUs to work on and submit their completed work.
- Utilized **Django's ORM (Object-Relational Mapping)** to model the necessary tables, ensuring efficient data storage and retrieval.
- **Tech stack**- Python, Django and SQLite.

TASK MANAGER | Nov '22 - Jan '23 |

- **Project link** - <https://bit.ly/416kcTI>
- Designed and implemented a To-Do List app using **Django framework** and hosted it on **AWS EC2**.
- Django's **SQLite** database was used to store and retrieve data.
- The app included **CRUD** functionality, allowing users to create, read, update, and delete tasks.
- Containerization of the application was done by **Docker** which involved packaging the application and its dependencies into a single portable unit.
- **Tech stack**- Python, Django, Docker, SQLite, and AWS EC2.

SAE INDIA SUPRA | Oct '18 - June '19 |

- Designed and manufactured **intake and exhaust system** for KTM 390 engine.
- Team achieved overall **51th 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 **Algoniversity 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.