Swarnim Pratap Singh

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LinkedIn | CodeForces | CodeChef | LeetCode | GFG

EDUCATION

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY, PUNE
BTech in Computer Science
2019-2023 | Pune, MH

COURSEWORK

UNDERGRADUATE
Operating Systems
Reasoning About Algorithms
Advanced Object Oriented Programming
Algorithmic Thinking
Computer Networks
Database Management System

SKILLS

PROGRAMMING
• Java • C • C++
• SQL • Kotlin
FRAMEWORKS:
• Android • Spring Boot
• Node.js • React/Next.js
• Kafka • RabbitMQ

DATABASES:
• MongoDB • MySQL
• Redis
TOOLS:
• Docker • AWS
• GitHub • Jenkins
• Firebase

EXPERIENCE

GROWW | Software Engineering Intern
Jun 2022- Present | Bangalore, KA
- Presently, working with the backend team of Groww with over **10 million+ play store downloads**.
- Developed handlers for Ingesting various BSE day-today reports to consume and trigger an event whenever a file arrives for numerous business logics.
- Implemented the internal webhook alerts to get the various details of the daily processing of mutual funds of Groww users.

OCTAFLYTE | Software Engineering Intern
Mar 2022 – Jun 2022 | Work From Home
- Worked in a startup that's working on developing drone mapping and analysis software based on Automated aerial robotics systems.
- Developed the **flask microservice** backend and **celery consumer** for asynchronous request handling in the backend with other 2 team members
- Collaborated in deploying the various microservices on **AWS** and implemented **CI/CD pipelines** based on GitHub webhooks for all different services.

PROJECTS

PLANT-AI | •Android Studio •Jupiter •AWS •Flask •Tensorflow
Dec 2021 – March 2022
- PlantAI an android application that uses **machine learning to detect various diseases in crops by just clicking the image of the leaves using the app**.
- Also, trained a custom machine learning model to detect 35+ diseases in various leaves of plants with **98.97%** accuracy and deployed it on flask server.
- Used algorithms such as ImageDataGenerator, CNN, BatchNormailzation etc. to train ml model

CLIK APP | •Android Studio •Firebase •Material-UI •Firestore
Jul 2020 – Sep 2020
- Developed a social media android app with the **firebase** backend that allows users to **post photos**, make new friends interact with friends with endless **chatting** and **profile management system** with **follow/following option**.
- Available on the **play store** with over **1000+** downloads and a **4.9** rating on play store.

ACHIEVEMENTS

- 4 star (Highest rating: 1837) on CodeChef and Specialist (Highest rating: 1439) on CodeForces
- Achieved Global Rank 153 among 10000+ participants in Codechef Coders Division 2
- Achieved Global Rank 566 among 18800+ participants in LeetCode Weekly Contest 279
- Achieved Global Rank 1295 among 25000+ participants in Educational Codeforces Round 119 Division 2
- Solved around 750+ questions on LeetCode