Viren Sureja

virensureja3@gmail.com

EDUCATION

PDEU, GANDHINAGAR
BTech in Information and Communication Technology
2018 - 2022
CGPA: 9.58
(Tuition Fee Waiver scholarship holder for ranking 3rd in whole batch)

MODI SCHOOLS
Higher Secondary
GSEB: 99.1 PR (Top 1%)

MODI SCHOOLS
Secondary
CBSE: 10 CGPA (Top 1%)

LINKS

GeeksForGeeks: viren3
Github: viren_sureja
LinkedIn: viren sureja
LeetCode: shivoham5

COURSEWORK

UNDERGRADUATE
Data Structures and Algorithms
Operating Systems
Database Management System
Object Oriented Programming
Object Oriented Design
Software Engineering
Computer Networks

SKILLS

PROGRAMMING
Python • Java • C++
JavaScript(ES6) • C

FRAMEWORKS & TOOLS
HTML • CSS • Bootstrap
NodeJS • ExpressJS
ReactJS • Redux • gRPC
MongoDB • SQL• MySQL
Git • Firebase • Kubernetes

LANGUAGES

English • Hindi • Gujarati

EXPERIENCE

INFOCUSP | SWE | May 2022 - Present
- Implemented data pipeline features, enabling seamless and efficient export of earth engine images and feature collections in a single job, successfully exporting geospatial data ranging from **3 million to more than 100 million**, increasing data collected from **3 years to 20 years** for USA.
- Demonstrated proficiency in handling Earth Engine REST API using PubSub for scaling data messages and Kubernetes (K8s) for exporting jobs using horizontal scaling, resulting in optimized performance and increased throughput.
- Implemented integration tests for an end-to-end pipeline from scratch including Infra on GCP and elevated unit test coverage from **55%** to **84%** for whole project, ensuring high-quality, reliable code and effectively mitigating errors and bugs.
- Tech stack leveraged are Python, GCP, Kubernetes, Earth-engine, Terraform, etc.

INFOCUSP | SWE Intern | Dec 2021 - May 2022
- Developed efficient asynchronous gRPC APIs for the frontend editor, to pre and post-process the source code to serve the model, and store the rules in Spanner DB on a built-in inference service from scratch.
- Improved auto-evaluation pipeline with multi-beam support, achieving **25%** higher accuracy. Optimized services for frontend editor, reducing response time by **40%**.
- Conducted extensive research on alternative AST languages such as Treesitter and Wald, reducing the latency of encoding and decoding services by **80%**.
- Tech stack leveraged are Python, gRPC, Java, etc.

BISAG | Java Full Stack Intern | Jun - Jul 2021
- Developed Java Spring Boot application for tracking real-time Coronavirus infections and analyzed it using graphs from scratch.

PROJECTS

UNDERRATED-2-SPOTLIGHT
- Developed a platform to spotlight users' experiences and reviews about the visited location using **MVC** Architecture practices with secured **authentication**.
- Tech stack used are MERN with session management using JWT, and location tracking Google-maps-API.

STUDENT-HELPER
- Developed platform for peer-to-peer doubt solving, buying and selling books with live individual secured chat.
- Tech stack used is React-Redux for frontend and MongoDB, Firebase for the backend.