

Viren Sureja

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EDUCATION

PDEU, GANDHINAGAR

BTECH IN INFORMATION AND
COMMUNICATION TECHNOLOGY
2018 - 2022
CGPA: 9.58






MODI SCHOOLS

Higher Secondary
GSEB: 97.7 PR (Top 2.3%)

MODI SCHOOLS

Secondary
CBSE: 10 CGPA (Top 1%)

LINKS

GeeksForGeeks: [viren3](#) 
Github: [viren_sureja](#) 
LinkedIn: [viren sureja](#) 
Codechef: [1567 Rating](#) 
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

C++ • Java • Python
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 | SOFTWARE DEVELOPER | MAY 2022 - PRESENT

- Implemented data pipeline features, enabling seamless and efficient export of images and feature-collections in a single job, successfully processing data volume ranging from **thousands to millions**.
- Demonstrated proficiency in handling Earth Engine REST API for exporting jobs using PubSub for horizontal scaling, resulting in optimized performance and increased throughput.
- Implemented integration tests from scratch and elevated unit test coverage from **55% to 84%**, ensuring high-quality, reliable code and effectively mitigating errors and bugs.
- Tech stack leveraged are Python, GCP, Kubernetes etc.

INFOCUSP | SOFTWARE DEVELOPER INTERN | DEC 2021 - MAY 2022

- Developed an efficient asynchronous gRPC APIs for the frontend editor, to pre and post process the source code to serve the model, store the rules in spanner DB on a built-in inference service from scratch.
- Revamped code flow to add multiple beam size support to the auto evaluation pipeline and implemented an edit distance algorithm to process the top predictions, improving accuracy by over **25%** and optimized existing services to reduce response time to frontend editor by **40%**.
- Conducted extensive research on alternative AST languages such as Treesitter and Wald, reducing 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 user's 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 are React-Redux for frontend, MongoDB, Firebase for the backend.

MEME-POSTER | hello

- Developed meme sharing platform to rank trending meme using NodeJs for backend and MongoDB database for CRUD operations and Js for frontend.