Kriyanshi Shah

Software Engineer
kriyanshishah06@gmail.com
GitHub | **Linkedin** | **LeetCode** | **Blog**

Education

LJ Institute of Engineering and Technology Ahemdabad, India
Information Technology Bachelors July 2019 - July 2023
CGPA: 9.1

Experience

Space Application Center | **Software Engineer - on contract** Ahemdabad, India | September 2023 - Present

Currently collaborating in setting up Base Station for INSAT-3DS satellite at SAC-ISRO and IMD, focusing on scheduler and ingestion components.
Developed an interactive satellite data sharing platform using JupyterHub ecosystem, improving data accessibility for researchers. Architected and implemented scalable user environments. Developed custom Docker images based on UBI8, integrating specialized libraries (GDAL, Cartopy, Rastorio, Satpy, Rioxarray, Mercury) for satellite image manipulation.

Incredibe.dev | **Full Stack Developer Intern** remote | Jun 2023 - August, 2023

Contributed to platform development using React.js and Firebase. Implemented real-time data synchronization and authentication features. Collaborated with team members to improve platform functionality and user experience

Prepseed | **Web Developer Intern** Ahemdabad, India | Jan 2023 - May, 2023

Directly collaborated with 5+ clients to design and develop custom portfolio websites
Created tailored web solutions for diverse businesses including architecture firms and fashion designers.

Skills

Programming Languages:	GO, C++, Typescript
Libraries/Frameworks:	React, Javascript
Tools / Platforms:	Git, Docker, Kubernetes
Databases:	MongoDB

Projects / Open-Source

Grep Implementation | **Link** *Go*

Built a from-scratch implementation of the grep command-line utility in Go
Demonstrated strong understanding of string pattern matching and file system operations

Wordle | **Link** *Javascript*

Created a complete clone of the popular word game Wordle. Implemented game logic and user interface from scratch

Research Assistant | **Link** *flask. python, openAI*

Developed a RAG (Retrieval-Augmented Generation) system for research paper analysis. Implemented from-scratch architecture for document processing and query handling.

Dagu | **Link** *Go*

Implemented queuing and batch processing system for DAG execution in Go, enhancing system scalability. Developed configurable user settings for workflow management. Added features to support complex workflow orchestration in a distributed environment
Impact: Improved system's ability to handle concurrent workflow executions and enhanced user customization options