

VIRAJ BHARTIYA

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EDUCATION

B.Tech in Computer Engineering , K.J. Somaiya College of Engineering, Mumbai	July 2023 - May 2027
Primary Education , Cambridge School, Aurangabad	July 2011 - May 2021

SKILLS

Technical Skills	Rust, Go, Solidity, ReactJS, MongoDB, SQL, NodeJS, AWS, Terraform, Typescript
Soft Skills	Leadership, Critical Thinking, Conflict Resolution, Team Player

EXPERIENCE

Open Source Engineer

Protocol Labs (Filecoin)

- Contributed to the development of Lotus, the Go-based reference implementation of the Filecoin Protocol, a decentralized storage network.
- Collaborated with ChainSafe to enhance Forest, the Rust-based implementation of the Filecoin Protocol.

Software Engineer

TopClub

- Engineered front-end interfaces with React.js and SCSS, enhancing user engagement and accessibility.
- Built robust back-end services in Node.js with an AWS pipeline, automating real-time data aggregation from multiple APIs.

Tech Team Member

KJSCE CodeCell

- Developed the registration website for KJSCE DevOpia and managed an event with 2000+ national-level registrations.
- Conducted seminars on Web3 opportunities and competitive programming, mentoring students in programming.

PROJECTS

Map-Reduce Implementation in Go for Distributed Systems

- Implemented the Map-Reduce programming model in Go, inspired by the original paper by Google.
- Designed a fault-tolerant system that distributes workloads across multiple nodes, ensuring reliability and scalability.
- Demonstrated the system's efficiency by processing large datasets and achieving significant performance improvements.
- Utilized gRPC for inter-node communication and optimized data sharding and task scheduling algorithms.

Stock Trader Bot - Algorithmic Trading Strategies

- Developed an automated trading system using technical indicators (RSI, MACD, EMA, SMA) integrated with Zerodha API.
- Achieved an 8.73% profit within 12 trading sessions through optimized trading strategies.

Inter IIT Competitive Programming Conclave Website

- Built the official website for India's largest competitive programming camp involving 30+ premier institutions.
- Attracted 70,000+ page views and 15,000+ unique visitors during the event.