

AKASH T S M

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[\[LinkedIn\]](#) | [\[GitHub\]](#) | [\[LeetCode\]](#)

OBJECTIVE

Computer Science undergraduate passionate about **blockchain, distributed systems**, and **high-performance cloud infrastructure**. Seeking a **Software Engineer Internship at Coinbase (Summer 2026)** to build **scalable, crypto-forward, real-time systems** that increase global economic freedom. Enthusiastic about solving **complex web-scale challenges** and delivering **secure, user-focused applications** in collaborative Agile teams.

EDUCATION

Vellore Institute of Technology — *B.Tech in Computer Science and Engineering* (2023 – 2027)
CGPA: **9.38 / 10**
Sunbeam Senior Secondary School — 92% (2021–2023)
Bhagwan Mahaveer Dayaniketan Jain School — 93% (2009–2021)

TECHNICAL SKILLS

Languages: Python, C++, Java, Golang, JavaScript
Core Concepts: Object-Oriented Programming, Distributed Systems, Blockchain Basics, Software Design Patterns, API Development
Frameworks & Tools: Flask, FastAPI, React Native, Node.js, Ruby on Rails, Docker, Git, CI/CD (Jenkins, GitHub Actions)
Databases: PostgreSQL, MongoDB
Cloud & DevOps: AWS (EC2, S3, Lambda), Microsoft Azure, Kubernetes, Ansible
Other Skills: Low-Latency System Design, Containerization, Testing & Debugging, Agile Development

PROJECTS

Decentralized Crypto Wallet and Exchange Platform | Golang, React Native, MongoDB, AWS, Docker

- Developed a secure peer-to-peer crypto trading app with real-time price updates and ledger tracking.
- Implemented REST APIs in Golang and deployed a containerized microservice architecture on AWS using Docker.
- Optimized latency to **< 150 ms** for live transactions through event-driven design and asynchronous processing.

Blockchain-Based Supply Chain Transparency System | Ruby on Rails, PostgreSQL, React Native, AWS

- Built a DApp to record product movements on a blockchain ledger for verifiable authenticity.
- Integrated Rails backend with smart-contract simulation and cloud database synchronization.
- Enhanced user experience through intuitive mobile UI and real-time QR scanning features.

High-Frequency Trading Simulator | Python, FastAPI, PostgreSQL, Docker

- Designed a real-time simulation platform mimicking crypto market behavior with millisecond-level updates.
 - Applied multithreading and queue-based data processing to handle **10k requests per minute** with low latency.
 - Implemented robust unit tests and CI/CD pipeline for continuous deployment.
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CERTIFICATIONS

- **Generative AI with IBM Watsonx** — [IBM Skills Network](#)
 - **Blockchain Basics** — Coursera (University at Buffalo) (*In Progress*)
 - **AWS Cloud Practitioner Essentials** — Amazon Web Services (*In Progress*)
 - **Machine Learning Specialization** — [Coursera \(Andrew Ng\)](#)
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ACHIEVEMENTS & INTERESTS

- Solved **150+ algorithmic problems** on LeetCode and HackerRank.
- **Finalist** — **Hackathon 2024** (Built a cloud-native DeFi analytics dashboard).