

# AKASH T S M

Vellore, Tamil Nadu | +91-7397464325 | akash.tsm2023@vitstudent.ac.in

[[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.

---

## 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 \(Andrew Ng\)](#)
- 

## ACHIEVEMENTS & INTERESTS

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