

V Srivatsan

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EDUCATION

Vellore Institute of Technology, Chennai

Bachelor of Technology in Computer Science, Specialization in AI and Robotics

CGPA: 9.23 / 10.00

2024 – 2028

Kendriya Vidyalaya Picket, Telangana

Senior Secondary Education

AISSCE: 91.20%

2022 – 2024

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Kotlin, Dart, C++, Java, Go, PHP

Backend and APIs: FastAPI, Django, Node.js, REST APIs, WebSockets, Authentication, Authorization

Frontend: React.js, Next.js, Tailwind CSS, Material UI, Bootstrap

Mobile: Flutter, Android (Kotlin), MVVM, Offline-first architectures

Databases: PostgreSQL, PostGIS, MongoDB, MySQL, Redis, SQLite

DevOps and Infrastructure: Docker, Linux, Git, CI/CD, Cloud Deployment

Cloud: Firebase, Supabase, MongoDB Atlas

Design Tools: Figma, Lucidchart

EXPERIENCE

Application Developer (Contract / Freelance)

Aug 2024 – Present

Multiple Clients

Remote

- Delivered 5+ production-grade mobile and web applications for clients across finance, operations, and internal tooling domains, serving ~20–50 internal users and up to 100–1000 external users per application.
- Replaced manual Excel-based and ad-hoc workflows where tasks took hours or days with automated systems delivering results in minutes or near-instantly.
- Optimized offline-first data handling and on-device computation, heavily reducing network usage while preserving application reliability.

Software Engineer Intern

Aug 2024 – Mar 2025

Unknot Immersives

Remote

- Built a centralized admin dashboard to manage 10+ applications with 30–50 users per application, used primarily by administrative stakeholders.
- Replaced a distributed, fragmented dashboard and app setup with a single unified system, improving administrative efficiency and visibility.
- Collaborated with product and non-technical stakeholders to translate assessment requirements into production-ready web applications.

PROJECTS

DisasterNet | Flutter, Mesh Networking, BLE, PostgreSQL, PostGIS, FastAPI

Apr 2025 – Present

- Designed an offline-first disaster response platform enabling coordination without internet connectivity.
- Implemented an offline-first, peer-to-peer BLE mesh networking architecture with multi-hop message propagation and UUID-based deduplication, tested on 4–5 real devices physically separated by ~10 meters.
- Observed intermittent message drops due to physical interference and designed drop-tolerant, retry-aware communication logic to preserve system responsiveness.

MarketFlow | React.js, FastAPI, PostgreSQL, Redis, Docker

Aug 2025 – Dec 2025

- Architected a real-time, multi-user trading simulation platform tested during a live event with 100+ concurrent users.
- Enabled Redis-backed in-memory state caching to support low-latency market updates.
- Identified and resolved inconsistent global state issues during live usage by introducing an authoritative server-side validation layer and centralized state ownership for trade execution.

LEADERSHIP & ACHIEVEMENTS

Executive Board Member and Technical Lead

Chennai, Tamil Nadu

Entrepreneurship Cell, Vellore Institute of Technology, Chennai

Apr 2025 – Present

- Led technical initiatives and supported product and engineering efforts within the student entrepreneurship ecosystem.

Bronze Medalist - Indian National Olympiad of Informatics (INOI)

Hyderabad, Telangana

Indian Association for Research in Computing Science

Aug 2023

- Recognized for strong performance in algorithms, data structures, and competitive programming.