

# V Srivatsan

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## EDUCATION

### Vellore Institute of Technology, Chennai Campus

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

**CGPA: 9.10 / 10.00**

*June 2024 – June 2028*

## TECHNICAL SKILLS

**Languages:** Python, JavaScript / TypeScript, Dart, C / C++, Kotlin, Go, SQL

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

**Web:** React.js, Next.js, Tailwind CSS, Material UI, Bootstrap

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

**Databases:** PostgreSQL, PostGIS, MongoDB, MySQL, Redis / Valkey, SQLite, Firestore, Objectbox

**DevOps and Infra:** Docker, Linux, Git, CI/CD

**Cloud:** Vercel, Netlify, Render, DigitalOcean, Cloudflare

## EXPERIENCE

### Contract Application Developer

Apr 2025 – Mar 2026

*Aishwarya Software Solutions*

*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 ad-hoc workflows with automated systems, improving processing time by 80%, reducing report generation and inventory management from 1.5-2 hours to just 1-2 minutes.

### Application Developer Intern

Jun 2025 – Sep 2025

*Shanti Electricals*

*Chennai, Tamil Nadu*

- Developed a Flutter-based financial product analysis application focused on investment evaluation.
- Implemented core financial computation modules including ROI and IRR calculations, equity analysis, and automated report generation.

## PROJECTS

### Tethr | Flutter, Mesh Networking, BLE, PostgreSQL, PostGIS, FastAPI

Apr 2025 – Sep 2025

- Architected a disaster-response coordination platform with a centralized backend as the primary source of truth, falling back to a peer-to-peer BLE mesh network as a last-resort relay when connectivity is lost.
- Implemented a hybrid store-and-forward/flooding routing protocol with UUID-based message deduplication to ensure reliable delivery across disconnected devices.

### Marketflow | React.js, FastAPI, PostgreSQL, Redis, Docker

Aug 2025 – Dec 2025

- Architected a real-time stock market trading simulation platform, stress-tested with 100+ concurrent users.
- Refactored the system into a two-service distributed architecture: a stateless REST service handling client-facing logic and a containerized Engine service owning simulation state, communicating over Redis Pub/Sub.
- Implemented FastChannels for WebSocket broadcast optimization, reducing per-connection overhead and enabling efficient fan-out to all connected clients.

### V-Stop | Flutter, Tensorflow, Objectbox, Firebase

May 2026 – June 2026

- Built a privacy-first VIT academic companion app that scrapes and stores all academic data entirely on-device, with no server-side storage of personal information.
- Developed and trained a custom branched CNN to automate recognition of V-TOP CAPTCHA challenges, achieving 93% accuracy.

## LEADERSHIP AND ACHIEVEMENTS

### Projects Head

June 2026 – Present

*Google Developer Groups, Vellore Institute of Technology (Chennai)*

- Lead project planning and delivery across Web Development, App Development, Game Development, and UI/UX teams.

### Bronze Medalist – Indian National Olympiad of Informatics (INOI)

Aug 2023

*Indian Association for Research in Computing Science*

- Qualified through ZCO and secured a Bronze Medal at INOI, demonstrating strong proficiency in algorithms, data structures, and problem solving.