

V Sree Aditya

Software Engineer

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

Education

Shiv Nadar University, Chennai

Aug 2024 – May 2028

Bachelor of Technology (B.Tech) in Computer Science and Engineering

CGPA: 8.5 / 10

- Web Development Lead, Google Developers Club (GDG) | Junior Head, SNUC Potential Robotics Club

Experience

[Mentor](#), Chennai, India (Hybrid)

May 2026 – Present

Software Engineering Intern

Python, FastAPI, React, PostgreSQL, Docker

Behavioral training and leadership-development platform delivering assessments and course evaluations to enterprise clients.

- Replaced the operations team's manual process for compiling assessment and course results with an automated Python/FastAPI pipeline, cutting turnaround time by **80%**.
- Engineered a unified internal full-stack platform consolidating **5+ scattered service tools** for products, devices, and clients, cutting operational SaaS cost by **40%** replacing SurveyMonkey.
- Containerized backend services with Docker and set up a Git-based CI workflow, cutting deployment time from over 30 minutes of manual work to under **5 minutes** per release.

Projects

[Fluence: Intelligent Developer Flow Engine](#)

Mar 2026 – Apr 2026

Python, Electron, SQLite, Bayesian Networks, Docker, Grafana

Desktop agent that tracks developer flow state across tools to surface deep-work patterns hidden from standard time tracking.

- Built an Electron + Python agent tracking **8 tools** (IDE, GitHub, Jira, Slack, Calendar, ChatGPT, OS window, idle) into a real-time Flow Score.
- Engineered a Bayesian engine that retrains **6 signal weights** nightly, lifting flow-classification accuracy by **26 points** in 2 weeks.
- Built a timestamp-indexed SQLite layer with batched **executemany** writes and a sorted sliding-window scan for signal aggregation, sustaining **500+ events/min** with no UI blocking.
- Shipped a **10-panel Grafana dashboard** and live Electron UI refreshing under **1s**, containerized with Docker.

[AGEIS: Autonomous Compliance Intelligence Platform](#)

Apr 2026 – May 2026

Python, FastAPI, Next.js, PostgreSQL, FAISS, Redis, Docker, LLMs

Multi-agent platform automating PCI-DSS, DPDP, RBI, and CERT-In compliance audits for fintech clients.

- Architected a 4-agent FastAPI backend (Watcher/Interpreter/Monitor/Remediator) on an async event bus, cutting audit effort by **70%**.
- Built a 6-stage PII pipeline (regex, Luhn/Verhoeff, LLM context, confidence scoring) hitting **92% precision** across **9 PII types**.
- Implemented FAISS RAG (IndexFlatIP, 384-dim) over **12 regulatory docs**, answering analyst queries in under **500ms** with citations.
- Built a SHA256-hashed audit ledger with WebSocket streaming and Redis caching, cutting dashboard P95 latency from **1.2s to 80ms**.

Technical Skills

Languages: Python, C++, Java, C, JavaScript, TypeScript, SQL.

Frameworks & Tools: React, Node.js, Next.js, React Native, FastAPI, Git, Docker, Linux, Azure, MySQL, PostgreSQL, MongoDB.

Core CS & Problem Solving: Data Structures & Algorithms, Distributed Systems, Concurrency & Multi-threading, OOP, REST APIs, DBMS, Operating Systems; active competitive problem solving on LeetCode.