Srivatsan Srinivasan

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About

Full-stack engineer focused on backend systems, DevOps, and applied AI with production experience across SaaS platforms.

Experience

Linarc Inc. — Oct 2025 – Present
Software Development Engineer — *Chennai, TN*
- Owned Egnyte integration enabling forward-compatible data sync for enterprise customers.
- Built and owned the Marketplace microservice using FastAPI and Redis within a monorepo.
- Implemented automated database provisioning and migrations for ERP integrations (QBO, QBD, Sage).
- Delivered end-to-end features across backend services, admin UI, and system configurations.

Motorq — June 2025 – Sep 2025
Software Engineer Intern — *Chennai, TN*
- Owned the Infinity internal portal, building downtime notifications, CI/CD pipelines (multiple environment handling), and performance optimizations (Next.js + PostgreSQL) for rendering 6M+ records.
- Improved portal reliability through automated downtime email acknowledgements and deployment-backed testing workflows.
- Automated alerting via PagerDuty and MonteCarlo APIs, significantly reducing false positives.
- Resolved 35+ large-scale JIRA issues using Snowflake queries for data-driven debugging.

HCLTech — May 2024 – July 2024
AI Intern — *Chennai, TN*
- Built Llama-3–based code quality and code-smell analyzer.
- Integrated fine-tuned CodeLlama for standards-compliant code fixes.

NEC Corporation India Pvt. Ltd. — May 2023 – July 2023
Software Engineer Intern — *Noida, UP*
- Created Tableau BI dashboards synthesizing financial data from disparate data sources
- Built BART-based Document Summarizer with Flask Endpoints setup with a simple React frontend.

Technical Skills

Languages: Python, TypeScript/JavaScript, C++
Backend & Frontend: Node.js, Express.js, React.js, Next.js, Vue.js, FastAPI, Django, Flask
AI & Agentic Systems: Pandas, TensorFlow/PyTorch, Transformers, LangChain, LangGraph, MCP-based Agents
DevOps & Infrastructure: Docker, Kubernetes, Redis, CI/CD (YAML), Git, Linux/UNIX, PagerDuty

Projects

OpenAI Guardrails JS (Open Source Contribution) | *TypeScript, Node.js* — GitHub PR
- Contributed to OpenAI's JavaScript Guardrails SDK by improving guardrail evaluation correctness and type safety.
- Added defensive runtime and TypeScript validations to prevent silent failures during guard execution.

Sangeet-V2 - AI Playlist Engine | *Next.js, TypeScript, PostgreSQL, Groq (Llama-3), Spotify API* — GitHub
- Built a full-stack AI-powered music recommendation system using Llama-3 to infer emotional context and genre transitions.
- Integrated Spotify OAuth and APIs to generate personalized playlists with stateful user interactions.

Rate Limiter as a Service | *Next.js, TypeScript, Redis, Prometheus* — GitHub | Deployed-API
- Implemented a token-bucket rate limiting API with in-memory and Redis storage for distributed usage.
- Exposed Prometheus metrics and structured log aggregation for observability in production environments.

Education

Shiv Nadar University, Chennai — 2021 — 2025
Bachelor of Technology in Artificial Intelligence and Data Science (GPA: 8.93 / 10.00) — *Chennai, TN*
- Graduated **First Class with Distinction** as part of the Founding Batch

Achievements

- NPTEL Certification - Social Networks - Top 5% in India (86/100) - *Link*

- LeetCode : 350+ Solved and 1550 Rated in C++ - Link