

SHREESHA S NEKKAR

Software Engineer | Building AI-Powered Full-Stack Applications

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PROFESSIONAL SUMMARY

Software Engineer with experience building AI-powered full-stack applications, backend systems, and developer tools using Python, Java, FastAPI, Spring Boot, React, PostgreSQL, Redis, Docker, and modern AI technologies. Currently working as an AI/ML Intern at Artsy Technologies, contributing to production-oriented AI systems and scalable software platforms.

EDUCATION

Vidyavardhaka College of Engineering, Mysuru | B.E. Computer Science and Engineering | Sep 2023 – Jun 2027 | CGPA: 9.5/10

EXPERIENCE

AI/ML Intern | Artsy Technologies | May 2026 – Present

- Leading development of translation workflow orchestration, consent-management systems, and administrative tooling for VoxGlobal AI, an AI-powered cinematic localization platform.
- Designed and implemented backend services across translation, consent-management, and administrative workflows using FastAPI, PostgreSQL, Redis, and Docker.
- Contributed to API architecture, event-driven system design, testing workflows, deployment processes, and CI/CD integration.
- Collaborated on requirements analysis, software design, implementation, and production readiness initiatives across the platform lifecycle.

PROJECTS

VoxGlobal AI | FastAPI • PostgreSQL • Redis • Docker • Next.js • React

- Leading development within a 3-member engineering team of an AI-powered cinematic dubbing and localization platform supporting translation workflows, consent verification, and project administration.
- Architected event-driven backend workflows coordinating communication across multiple distributed platform services.
- Designed administration and workflow-management modules supporting end-to-end localization workflows spanning translation, consent verification, and project management processes.

Platonis.AI | FastAPI • Next.js • PostgreSQL • Redis • LangChain • Generative AI

- Built an AI-powered placement preparation platform integrating 5+ assessment and learning modules including RAG, adaptive testing, AI interviews, speech analysis, and performance analytics.
- Developed modular backend services, retrieval systems, evaluation pipelines, and full-stack application workflows.
- Implemented vector-search-powered knowledge retrieval and LLM-assisted evaluation systems.

Noetis.AI | PyTorch • FastAPI • React • XGBoost • SHAP • Docker

- Built a machine-learning platform for identifying and predicting student knowledge-decay patterns across interconnected concepts.
- Processed and analyzed 131M+ educational interaction records to develop predictive learning analytics pipelines.
- Integrated Transformer-based Knowledge Tracing, Graph Neural Networks, XGBoost, and SHAP explainability into a unified prediction framework.

Audita | Spring Boot • Java • GitHub API • Docker • React

- Built a repository auditing tool that evaluates repositories across 7 quality dimensions including documentation, CI/CD configurations, containerization readiness, release activity, and repository structure.
- Integrated GitHub APIs and parallelized repository analysis workflows to improve inspection performance.
- Implemented caching strategies saving 50% server cold start times and added scoring frameworks to reduce redundant API requests.

TECHNICAL SKILLS

Languages: Python • Java • JavaScript • TypeScript • SQL • C

Backend: FastAPI • Spring Boot • Flask • Express.js • REST APIs • Microservices

Frontend: React.js • Next.js • Tailwind CSS

Databases: PostgreSQL • MongoDB • Redis

AI/ML: PyTorch • Scikit-Learn • TensorFlow • XGBoost • SHAP • LangChain • Generative AI

Tools: Docker • Git • GitHub • Apache Kafka

Concepts: Software Engineering • System Design • OOP • Full-Stack Development

ACHIEVEMENTS

- Runner-Up, XLR8 Ideathon • Cognizant Technoverse 2026 Hackathon Participant

CERTIFICATIONS

Google AI Professional Certificate (Google) • Identity Security for AI Age (Saviynt) • Introduction to Artificial Intelligence (IBM)