

SUNNI KUMAR

+91 6394540805 • contact.sunnyarya@gmail.com • linkedin.com/in/sunni-kumar • github.com/sunny-arya-codes

SUMMARY

Backend / GenAI Engineer with production experience at FreshMenu, pursuing B.S. in Data Science at IIT Madras. Building scalable backend systems (FastAPI, Spring Boot) and production-grade AI solutions (RAG pipelines, LLM integrations). Focused on high-performance APIs, event-driven architectures, and intelligent automation systems.

EXPERIENCE

FRESHMENU

Software Developer

Bengaluru, Karnataka

(Mar 2024 – Present)

Backend Engineering & APIs

- Built **high-performance REST APIs** for core ordering platform using Java, Spring Boot, and SQL databases.
- Ensured high availability and sub-second response times during peak order volumes with robust error handling.

ONDC Partner Integrations

- Architected integrations with **Magicpin and Bitsila ONDC**; implemented secure OAuth authentication flows.
- Built event-driven order sync with **sub-200ms latency**; implemented retry logic and failure recovery mechanisms.

Automation & Data Pipelines

- Developed **automated financial reconciliation pipelines** to cross-verify multi-source transaction data accurately.
- Eliminated **15+ hours/week** of manual audits with near-zero discrepancies and improved data accuracy.

Technologies: Java, Spring Boot, PostgreSQL, SQL, REST APIs, OAuth, Webhooks, Docker, Git

FRESHMENU

Software Developer Intern

Bengaluru, Karnataka

(Sep 2023 – Mar 2024)

- Developed backend modules for order management system using Java and Spring Boot framework.
- Implemented RESTful API endpoints with request validation, error handling, and Swagger API documentation.
- Collaborated on database schema design and SQL query optimization for PostgreSQL databases.

Technologies: Java, Spring Boot, PostgreSQL, JUnit, Mockito, Swagger, Git

PROJECTS

AI AGENT FOR ACADEMIC GUIDANCE

Jan 2025 – Present

- Engineered full-stack **RAG pipeline** for intelligent document search and Q&A using LangChain framework.
- Built FastAPI backend with **JWT authentication** and vector similarity search using pgvector extension.
- Deployed Vue 3 frontend on Vercel and Python backend on **AWS EC2** with automated CI/CD pipelines.

Technologies: Python, FastAPI, LangChain, pgvector, PostgreSQL, OpenAI API, Vue.js, AWS

SPATIO-TEMPORAL CRIME PREDICTION

Jan 2025 – Mar 2025

- Developed **multi-class classification model** using XGBoost to predict crime categories from patterns.
- Performed **feature engineering and EDA** on high-dimensional datasets with cross-validation tuning.

Technologies: Python, XGBoost, Scikit-learn, Pandas, NumPy, Matplotlib

EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

Chennai

B.S. in Data Science and Applications

(May 2022 – Apr 2026)

Coursework: Machine Learning, Deep Learning, Database Systems, Data Structures & Algorithms, Statistics

MASAI SCHOOL

Full Stack Development

Intensive Backend-Focused Program (9-9-6 Curriculum)

Practical full-stack training with focus on **Java, Spring Boot, and MySQL**. Solved **1200+ DSA problems**. 12 hrs/day, 6 days/week immersive learning.