Sunni Kumar

Software Engineer (AI/ML) | B.S. in Data Science, IIT Madras

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Experience

Freshmenu   Sep 2023 – Present
Software Engineer

- Engineered and optimized **high-throughput REST APIs** with **Spring Boot**, reducing critical **query response times** by up to 40% and enabling thousands of daily **e-commerce transactions**.
- Led **third-party integrations** with **Magicpin, Bitsila, Zomato, Swiggy**, boosting daily **order volume** by 50% through seamless **REST API connectivity**.
- Developed enterprise-grade applications, including a **full-stack HR system** (**Next.js**, **Spring Boot**, **MySQL**) that automated workflows and cut manual HR effort by 60%, and an **AI-powered reconciliation system** that reduced financial reconciliation time by 70%.
- Enhanced **scalability** and **reliability** by deploying applications on **AWS (EC2, S3)**, ensuring 99.9% **uptime** and production-readiness.
- Improved team efficiency by **mentoring junior developers**, conducting **code reviews**, and driving **Agile practices** to elevate **code quality** and **velocity**.

Education

IIT Madras   May 2022 – Apr 2026 (Expected)
B.S. in Data Science

- **Coursework:** DBMS, DSA, Software Engineering, Machine Learning, Deep Learning, Computer Vision
- **Projects:** Grocery APP(Flask, Vue js, SQLite), AI powered LMS(FastAPI, Vue js, Gemini, PostgreSQL), CrimeCast-Forcasting(ML)

Masai School - Remote   April 2022 – Dec 2022
Full stack development

- **Coursework:** HTML, CSS, JavaScript, Java, MySQL, DSA
- **Projects:** Youtube Clone(HTML, CSS, JavaScript), Student Management System(Java), E-Commerce (Full stack)

Projects

Smart Product Listing Tool (Computer Vision + ML Deployment)   GitHub Repo

- Architected an end-to-end **computer vision pipeline** leveraging **CNN models (TensorFlow, OpenCV)** to automate **product metadata generation**, boosting **listing accuracy** by 35%.
- Deployed the model as a **FastAPI REST service**, cutting **manual data entry time** drastically and enabling seamless **scalability in production**.

AI-Powered Resume & Job Match Assistant (Generative AI + NLP))   GitHub Repo

- Engineered an **LLM-driven system** leveraging **LangChain, FAISS embeddings, and Gemini models** to parse resumes, match candidate skills with job descriptions, and provide **ATS**.
- Deployed as a **full-stack application** with **Next.js frontend + FastAPI backend** integrated with **PostgreSQL**, containerized with **Docker**, and hosted on **AWS EC2**, reducing recruiter screening time by **60%**.

Skills

Languages: Python, Java, JavaScript & TypeScript

AI/ML & Data Science: TensorFlow, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV, FastAPI, Machine Learning, Deep Learning, Computer Vision

Backend Frameworks: Flask, Spring Boot, Node.js, REST APIs, Microservices

Frontend Frameworks: React.js, Vue.js, Next.js, Angular

Databases: PostgreSQL, MongoDB, MySQL