

Navneet Agrawal

AI Engineer | LLM Applications | RAG Systems

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science and Engineering

Sep 2022 – May 2026

CGPA: 8.09 / 10.0

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, C++

AI & Machine Learning: LLMs, RAG, LangChain, Hugging Face Transformers, Scikit learn

Frontend & Backend: React, Next.js, Tailwind CSS, FastAPI, REST APIs, Node.js, Express

Databases: PostgreSQL, SQLite, Supabase

Tools: Git, Streamlit, AWS (EC2, S3, SageMaker)

EXPERIENCE

Lillup

AI Intern

Dec 2025 – May 2026

San Francisco, CA (Remote)

- Worked on AI features for a mobile application by designing text interaction flows and testing different LLM models.
- Explored model quantization techniques to improve inference efficiency and reduce resource usage for edge deployment.
- Built backend workflows for model inference and deployment, making it easier to test and iterate on new AI features.

Old Economy

Full Stack Developer Intern

Feb 2026 – Mar 2026

Mumbai, Maharashtra (Hybrid)

- Built a secure report management platform using React, Node.js, Express, and Supabase with role based authentication.
- Developed REST APIs for user management, access control, and automated product distribution.
- Integrated automated email workflows to notify users about newly available reports and products.

PROJECTS

O2C Graph Intelligence

2026

Python, FastAPI, SQLite, NetworkX, D3.js, React, Groq (Llama 3.3 70B) [View Project →](#)

- Built an AI powered graph intelligence platform using FastAPI, React, SQLite, NetworkX, and D3.js to visualize SAP Order to Cash relationships.
- Developed a natural language interface that converts user questions into SQL queries using Groq Llama 3.3 and returns answers directly from enterprise data.
- Added backend guardrails to validate generated SQL queries and block unsafe or irrelevant requests before execution.

CrossWise

2024

Python, Langchain, FastAPI, LLMs, NLP [View Project →](#)

- Built an AI assistant that simplifies cross border trade by helping SMBs understand export regulations and documentation.
- Integrated LangChain based RAG to provide context aware answers from customs rules and policy documents.
- Automated HS code classification, export guidance, and multilingual support, earning a Top 12 finish among more than 100,000 teams at the Amazon Smbhav Hackathon.

ACHIEVEMENTS & CERTIFICATIONS

- **Zelestra × AWS Challenge – 5th Place (2025):** Secured 5th place globally and received a €500 prize for an ML based solar optimization solution.
- **Amazon Smbhav Hackathon – Top 12 (2024):** Ranked in top 12 out of 100,000+ participants; built CrossWise, an AI-powered NLP solution for cross-border commerce.
- **National Science Day – 1st Place (2024):** Won at VIT Bhopal for Intellinest, an IoT system with predictive maintenance for home automation.
- **Reliance Undergraduate Scholar (2022):** Merit-based national scholarship awarded to high-performing undergraduate students.
- **IBM Generative AI Certification:** Comprehensive training on LLMs, prompt engineering, and GenAI applications.
- **Stanford Introduction to Statistics:** Foundational coursework in statistical methods, probability theory, and hypothesis testing.