Mohit Kashyap

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EDUCATION

Vellore Institute of Technology Vellore, TN
B. Tech, Computer Science and Engineering — CGPA: **9.45** *2023 – 2027*

EXPERIENCE

Flutter Developer Intern May 2025 – June 2025
AstroRaag
- Built and shipped core iOS features (UPI payments, service bookings, article publishing) that enabled the app's first launch, reaching **100+ downloads in the first 2 weeks.**
- Developed and integrated **REST APIs**, boosting feature reliability and reducing failed backend requests by 30% during testing.
- Collaborated with **cross-functional team** on debugging and release cycles, ensuring **zero major crashes** in production.

Senior Core Committee member March, 2025 - present.
IEEE-CS, VIT Vellore Chapter
- Contributing to development of Echo, a cross-platform real-time communication app (React Native, Express.js, Nativewind) **targeting 100+ student users.**
- Designed navigation flows and reusable UI components, participated code reviews and Postman API validation, raising code quality and reducing integration bugs
- Gained experience with TypeScript, Postman, React Native, **collaborative workflows**, pull requests, **professional code reviews**, teamwork and leadership, enhancing software engineering practices.

PROJECTS

DocQuery | *Next.js, LangChain, Supabase, OpenRouter*
- Developed a full-stack RAG system handling PDFs, CSVs, and Docx files, enabling ingestion of **10,000+ documents** into a **Supabase vector DB.**
- Implemented a LangChain-powered chatbot answering **over 80% of queries factually** with context retrieval.

EcoMind | *Flutter, Kaggle, Tensorflow, Firebase, Gemini API*
- Built a waste-classification mobile app for **Yantra Central Hack 2025**, training an image model on **35,000+ images** and achieving **89% accuracy**.
- Integrated real-time inference in Flutter with Firebase auth and a Gemini-powered chatbot, improving prediction latency to **<1.5s per image.**
- Prototype shortlisted among **top teams for our chosen track**

AI Research Agent | *LangGraph, LangChain, Python, OpenRouter*
- Built a **multi-source AI research agent** using LangGraph and LangChain, orchestrating parallel queries to Google, Bing, and Reddit, then using **web scraping** and **API integration** to retrieve search results, Reddit threads, and post-level discussions.
- Designed a **graph-based workflow** to analyze and synthesize search results with LLMs (via OpenRouter) into coherent, user-friendly responses.
- Applied structured LLM outputs for filtering relevant Reddit URLs and extracting **high-signal community insights.**

Library Inventory Application | *ReactJS, NodeJS, ExpressJS, PostgreSQL, Bootstrap*
- Built a **full-stack** library inventory management system for item **CRUD operations** and category filtering, with a unique demand rating system to optimize inventory levels and improve decision-making.
- **Optimized backend communication with CORS** and validated functionality by **testing API endpoints with Postman.**

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, PostgreSQL, JavaScript, TypeScript
Frameworks: React.js, Next.js, Node.js, Express.js, React Native, Flutter, TailwindCSS, Bootstrap
AI/ML: LangChain, LangGraph, HuggingFace, OpenAI API
Developer Tools: Git, Github, Google Cloud Platform, VS Code