

Mohit Kashyap

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EDUCATION

Vellore Institute of Technology

B. Tech, Computer Science and Engineering — CGPA: 9.45

Vellore, TN

2023 – 2027

EXPERIENCE

Flutter Developer Intern

May 2025 – June 2025

AstroRaag

- Implemented frontend workflows for iOS app features including **UPI payments**, service bookings, and article publishing, ensuring seamless user experience.
- Developed and integrated **API services and models**, validating backend communication and improving feature reliability.
- Contributed to the launch of the app, which achieved **100+ downloads** within weeks of release.

Senior Core Committee member

March, 2025 - present.

IEEE-CS, VIT Vellore Chapter

- Contributing to development of Echo, a **real-time communication app** built with React Native, ExpressJS, and Nativewind.
- Designed navigation flow, built frontend components, and integrated REST APIs with Postman-tested endpoints.
- Gained experience with TypeScript, Postman, React Native, **collaborative workflows**, pull requests, and **professional code reviews**, enhancing software engineering practices.

PROJECTS

DocQuery | *Next.js, LangChain, Supabase, OpenRouter*

- Built a full-stack **RAG** (Retrieval-Augmented Generation) system with a scalable ingestion pipeline for PDFs, CSVs, and Parquet files, parses and chunks content, and stores **embeddings** in a **Supabase** vector database.
- Developed a conversational **chatbot with LangChain + OpenRouter LLMs** to answer user queries grounded in document context, ensuring factual and context-aware responses.

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**.

CV Builder | *ReactJS, HTML, CSS, JavaScript*

- Developed a React-based resume builder with **real-time editing** and PDF download functionality along with implementing state management using **React Context**, ensuring a smooth and dynamic user experience.
- Deployed the project with **Netlify**, making it accessible as a live web tool.

EcoMind | *Flutter, Kaggle, Firebase, Gemini API*

- Built a **waste-classification** mobile app as part of Yantra Central Hack 2025.
- Trained an AI image classification model on **35,000+ Kaggle images**, achieving **89% accuracy**.
- Integrated the AI model into Flutter with **real-time predictions**, Firebase authentication, and a chatbot powered by Google Gemini API for waste management support.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript, TypeScript, HTML/CSS

Frameworks: React.js, Next.js, Node.js, Express.js, React Native, Flutter, Webpack, TailwindCSS, Bootstrap.

AI/ML: LangChain, LangGraph, HuggingFace, OpenAI API

Developer Tools: Git, Github, Google Cloud Platform, VS Code