

Aryan Varshney

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EDUCATION

Jaypee Institute of Information Technology

B.Tech. in Computer Science and Engineering

Noida, India

2024 – 2028

TECHNICAL SKILLS

Programming Languages: Python, Java, Dart, C, C++

Frameworks: FastAPI, Flutter, Flask, Spring Boot

Databases: PostgreSQL, MongoDB, MySQL

AI: Machine Learning, LangChain, LangSmith, LangGraph, CrewAI, RAG

Tools: n8n

PROJECTS

[Spy AI](#) | *Flutter, FastAPI, Dart, Python, Gemini, PostgreSQL*

- **Spy AI**, an AI-powered full-stack mobile app using **Flutter** (Dart) frontend and **FastAPI** (Python) backend that turns your phone into a searchable, lifelong memory by recording and indexing meetings in real time.
- Implemented a background recorder with real-time audio capture, transcription pipeline, structured database storage and **full-text search**; integrated an **LLM-driven chatbot** to surface summaries, exact quotes, timestamps and context on demand across past conversations.
- Delivered end-to-end production features including secure storage, privacy controls, meeting-level metadata, and cross-platform deployment—empowering users to recall details, verify claims, and avoid being misled.

[AI Calling](#) | *Flask, Html, Twilio, Gemini*

- **AI Calling**, a full-stack voice-first application with an **HTML** frontend and **Flask** backend that enables natural, real-time phone conversations with an AI assistant.
- Integrated telephony providers and built real-time **speech-to-text** and **text-to-speech** pipelines, plus automated call initiation to allow users to talk directly to an LLM-driven agent over a call.
- Implemented an **emergency auto-call** feature to send urgent voice messages when users cannot place calls manually, and delivered secure call handling, scalable backend services, and a hands-free UX for time-critical alerts.

[Flavor Match](#) ([Live Demo](#)) | *FastAPI, Gemini, Html, CSS, JavaScript*

- **Flavor Match**, a full-stack family food recommendation web app using **HTML/CSS** and **JavaScript** on the frontend with a **FastAPI + PostgreSQL** backend; deployed a live demo on **Vercel** for interactive testing.
- Designed and implemented a normalized relational schema (Family → Member → Food) applying **primary/foreign keys**, **UNIQUE/NOT NULL** constraints and cascade operations, with timestamped logs to reliably capture individual preferences for analytics.
- Implemented streamlined family/member registration and daily food-logging flows, plus an **SQL-driven recommendation** pipeline (rule-based / lightweight AI) to deliver personalized meal suggestions from historical activity and health status.

ACHIEVEMENTS

[Centre for Development of Advanced Computing \(CDAC\) Certified](#)

August 2024

- Completed a CDAC-certified 5-day UAS workshop and earned certification after a final evaluation; designed, assembled, and flight-tested a hexacopter, demonstrating practical skills in assembly, flight-controller setup, safety checks, and troubleshooting.

[Keploy Certified](#)

August 2025

- Ranked among the top 168 finalists (top 0.99%) from 18,000+ participants in the Keploy API Fellowship Program, earning certification through consistent performance across all stages.

LEADERSHIP & TECHNICAL COMMUNITY INVOLVEMENT

Google Developer Groups – IIIT 128

Sep 2025 – Present

Core Team Member

IEEE Student Branch IIIT Noida

Jul 2025 – Present

Tech CSE Volunteer

AI/ML Hub of IIIT

Dec 2024 – Present

Tech Volunteer

CICR – Creative & Innovative Cell in Robotics, IIIT NOIDA

Nov 2024 – Present

Core Team Member