

# 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

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<b>Google Developer Groups – JIIT 128</b>	Sep 2025 – Present
<i>Core Team Member</i>	
<b>IEEE Student Branch JIIT Noida</b>	Jul 2025 – Present
<i>Tech CSE Volunteer</i>	
<b>AI/ML Hub of JIIT</b>	Dec 2024 – Present
<i>Tech Volunteer</i>	
<b>CICR – Creative &amp; Innovative Cell in Robotics, JIIT NOIDA</b>	Nov 2024 – Present
<i>Core Team Member</i>	