

AARJAV JAIN

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PROFESSIONAL SUMMARY

B.Tech Computer Science and Engineering student specializing in Artificial Intelligence, with hands-on experience developing Python applications, integrating LLM APIs, automating workflows, and building graph-backed software tools. Familiar with REST APIs, data aggregation, and application prototyping using Streamlit. Interested in AI engineering and building practical Generative AI applications.

TECHNICAL SKILLS

Programming: Python, C++, C, JavaScript

AI & Generative AI: LLM API integration, prompt engineering, NLP fundamentals, AI application prototyping

Backend & APIs: Flask, FastAPI, REST APIs

Data & Databases: SQL, relational databases, data aggregation, ETL workflows, Excel

Automation: n8n, workflow automation, communication-platform integrations

Graph Technologies: FalkorDB, graph databases, knowledge graphs

Tools: Git, GitHub, VS Code

PROJECTS

ECHO — Graph-Powered Project Memory Prototype

Python | Streamlit | FalkorDB Cloud | Graph Databases

GITHUB LINK :- <https://github.com/aarjavjain7/ECHO-Graph-Powered-Project-Memory-Agent>

LIVE DEMO :- <https://echograph.streamlit.app/>

TECHNICAL BLOG :-

<https://echoengineering.hashnode.dev/echo-giving-ai-agents-a-graph-powered-memory-of-software-projects>

- Built and deployed a graph-backed dashboard for exploring software project tasks, dependencies, and decisions.
- Implemented project exploration and dependency impact analysis using structured information stored in FalkorDB.
- Developed dashboard views for project information and decision records through a Streamlit interface connected to a cloud-hosted graph database.
- Created a prototype for graph-based project context and decision retrieval; autonomous LLM reasoning is not implemented.

dAtApp — Data Price Comparison Application

Python | SQL | REST APIs | HTML | CSS | JavaScript

- Developed a product price-comparison application concept using external retail data APIs and a SQL database.
- Built an API-to-database data aggregation pipeline to organize product and pricing information.
- Implemented product search, filtering, and search-history features to support product comparison.

NodeExa AI — AI Communication & Automation System

n8n | LLM APIs | Python | Excel

- Built n8n workflows connecting LLM APIs with WhatsApp and voice-based communication channels.
- Structured captured lead information into Excel records to support follow-up workflows.
- Integrated AI services, communication platforms, and business data through workflow automation.

Smart Irrigation System

Arduino | IoT Sensors

- Developed an IoT-based irrigation project using Arduino and environmental sensors, including temperature and humidity sensors.
- Applied sensor-based prototyping to an agricultural monitoring and irrigation use case.

EXPERIENCE

Technical Support Engineer — Externship | September 2024 – December 2024

- Diagnosed and resolved software and Windows-related technical issues.
- Used Python, SQL, and Excel for troubleshooting and data-handling tasks.
- Collaborated with team members to investigate root causes and support reliable system operation.

Freelance Video Editor

- Completed 3–4 video-editing projects for content creators.
- Created AI-generated video content for real-estate groups and perfume brands.

EDUCATION

B.Tech, Computer Science and Engineering — Artificial Intelligence

Medi-Caps University, Indore | Expected 2028 | CGPA: 7.0/10

Class XII: 78% | Class X: 86%

HACKATHONS, CERTIFICATIONS & LEADERSHIP

- Graph Hacks 2026: Participant; built ECHO, a graph-powered project-memory prototype.
- Smart India Hackathon 2024 and 2026: Participant.
- Startup Weekend Jaipur 2026: Participated in a 54-hour entrepreneurship sprint.
- AI for Business Leaders Bootcamp — Outskill: Generative AI, AI agents, and n8n automation.
- 100 Days of Code / Python Bootcamp — Udemy.
- AWS Club — Technical Executive: Contributed to club website work.
- Robotics Club — Operational Head.
- STIC Club — Video Editing Executive.
- Yoga Club — Executive, cultural team.