Raj Aryan

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Website | GitHub | LinkedIn | LeetCode

Professional Summary

MCA student and backend developer actively Learning AI, ML and GenAI. Recognized nationally for structural context engineering (First Runner-Up, Promptverse 2.0). Passionate about building robust, cost-efficient AI applications. Valued for foundational problem-solving, writing easy-to-maintain code, and clear technical communication.

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.C.A	Jawaharlal Nehru University	7.45/9 (Current)	2025-Present
B.Sc(Hons.) CS	University of Delhi	8.095	2021-2024
Senior Secondary	CBSE Board	97.0%	2021

Technical Skills

- **Programming:** C++, Python, SQL, Object Oriented Programming(OOP)
- **Web Development:** Flask, HTML/CSS/Javascript
- **Gen AI and ML:** RAG Pipelines, Vector Databases, Local LLMs,LLM APIs (OpenAI), Agentic Workflows
- **Cloud & Deployment:** Oracle Cloud Infrastructure (OCI),Linux VMs, Nginx
- **Tools:** Git/GitHub,Command Line Interface(CLI), Jupyter Notebook
- **Coursework:** Data Structures, Design and Analysis of Algorithms, DBMS, Operating Systems, AI

Projects

- **MindSpace | AI-Powered Mental Wellness Platform (MumbaiHacks 2025)** *Dec. 2025*
  Tech Stack: Python, RAG Pipeline, Ollama (Local LLM), Pinecone, MySQL, MongoDB GitHub
  - Built "Mimi," an AI chatbot providing context-aware mental health support, using a custom **RAG pipeline** and **Pinecone** for vector storage.
  - Designed a **hybrid database (MySQL & MongoDB)** to guarantee ACID compliance for user data while scaling chat logs for **100+ concurrent sessions**.
  - Constrained LLM outputs exclusively to verified psychological datasets, mitigating hallucinations and ensuring medically safe user interactions
  - Secured a **Top 100 finish** among 500+ teams and 3,000+ participants.
- **IntelliDocs | AI Document Analysis System** *Nov. 2025*
  Tech Stack: Python, TiDB, Ollama (Local LLM), PyMuPDF, Cloudinary, AWS Lightsail GitHub
  - Launched on **AWS Lightsail**, acquiring **50+ signups**, engineering a secure tunneling architecture to bypass free-tier hardware constraints by routing heavy LLM inference to local compute.
  - Architected a robust data pipeline utilizing **PyMuPDF** for text extraction and **Cloudinary** for file management, converting documents into vector embeddings stored in **TiDB** alongside page-level metadata for precise context engineering.
  - Automated document summarization using **Local LLMs (Ollama)**, efficiently processing complex files while entirely eliminating external API costs.

Certifications

- **Scientific Computing with Python** | *freeCodeCamp*
- **Problem Solving (Intermediate)** | *HackerRank*
- **SQL (Basic)** | *HackerRank*

Positions of Responsibility

- **Placement Coordinator,** Placement Cell, SC&SS JNU *Jan. 2026-Present*
  - Coordinated the MCA placement drive, acting as the primary liaison between students, faculty, and corporate recruiters.
  - Researched prospective companies to effectively match industry hiring requirements with student profiles.
  - Managed official email correspondence and drafted formal requests, ensuring clear professional communication.

Achievements

- **First Runner-Up** Promptverse 2.0 organized by Fore School of Management (FSM), New Delhi. *2026*
- **National Finalist** Mind the Product organized by E-Cell, IIT Roorkee *2026*
- **Special Memento** for DevScribe Agentic IDE Pitch, "AI for Viksit Bharat", SC&SS JNU *2026*