

# Raj Aryan

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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
- 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