

Aishwarya Sharma



Educational Qualification			
Qualification	Institute	CGPA/ %	Year
B.Tech (CSE)	PES, University, Bengaluru	8.84/10	2027
XII, CBSE	Mayoor School, Ajmer	93.80	2023
X, CBSE	Mayoor School, Ajmer	96.60	2021
Academic Achievements			
Prof. C N R Rao Scholarship	Recognized for academic excellence by consistently ranking in the top 25% of the department (SGPA) across four semesters		2023-2026
Academic Scholarship (XII)	Achieved 1st rank in Fine Arts and scored above 90% in board examinations, demonstrating strong academic and creative performance		2023
Academic Scholarship (X)	Secured 1st rank in Mathematics with a perfect score of 100% and ranked among the top 10% of the class by scoring over 90% in board examinations		2021
Best All-Rounder Award	Received two awards for all-round excellence across academics, sports & ECA		2015, 2018
Projects			
Multi-Agent RAG-Based Research Assistant with Source Verification	Tech Stack: Python, LangGraph, ChromaDB, SentenceTransformers, SQLite, Ollama/Gemini, Docker - Built a multi-agent research assistant using LangGraph that orchestrates planning, retrieval, verification, summarization, report-generation workflows for research queries. - Implemented a RAG pipeline using SentenceTransformers and ChromaDB to retrieve relevant information from web sources and uploaded PDF, DOCX and TXT documents. - Developed a source verification system that cross-checks factual claims across multiple sources, generates confidence scores and produces citation-backed Markdown and PDF research reports.		2026
AI-Powered Windows System Diagnostics Platform	Tech Stack: Python, SQLite, Ollama (Qwen3), ChromaDB, psutil, Plotly, RAG - Built an AI-powered Windows system diagnostics platform that continuously monitors CPU, memory, disk, battery, process and security metrics through a background monitoring service. - Developed a local RAG-based diagnostic assistant using Ollama and ChromaDB to analyze system behavior, answer troubleshooting queries and provide evidence-backed recommendations. - Implemented historical performance analysis and root-cause detection, enabling trend visualization, resource bottleneck identification and explainable system health reports through an interactive dashboard.		2026
Dynamic Content Streaming Pipeline	Tech Stack: Apache Kafka, Python, Flask, SQLite - Built a distributed real-time streaming system with admin-driven topic lifecycle governance using Apache Kafka producers and consumers - Configured and operated a Kafka broker and Flask-based control plane, enforcing strict topic governance with persistent metadata storage		2025
AI Data Copilot for Automated Data Cleaning & Analysis	Tech Stack: Python, SQL, Pandas, NumPy, Matplotlib, Seaborn, Streamlit, Scikit-learn, AI, ML(Regression, Classification, Clustering basics), NLP, LLM Integration (Ollama, LLaMA 3 - Built an AI-driven data assistant combining statistical analysis and LLM-based querying to generate actionable insights from datasets - Implemented advanced data cleaning and an interactive Streamlit interface with quality scoring, comparisons and explainable outputs		2025
Positions of Responsibility			
PES, University, Bengaluru			
Operations Team	Organized 2 hackathons of 18h , managing end-to-end operations for 250+ participants		2024-Present
Mayoor School, Ajmer			
CCA Captain	Spearheaded 10+ inter and intra-school events, driving a footfall of 200+ participants		2022-2023
Student Editor - School's Editorial Board	Led a 10-member Editorial Board to publish 8 editions of the school's quarterly and annual magazines		2021-2023
Extra-Curricular Activities			
Social Initiative	Volunteer regularly at an old age home, supporting elderly residents' well-being		
Theatre	Produced an English one-act play, leading & coordinating a team of 15+ students		
Music	Cleared Trinity Grade 1 keyboard examination with certified proficiency		