

ADITYA SHARMA

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Education

Manipal University Jaipur

Bachelor of Technology in Computer Science (CGPA of 7.97)

October 2021 - July 2025

Rajasthan, India

Banyan Tree School

XII-PCME(92.8%)

August 2019 - September 2021

Rajasthan, India

Our Own High School

X(90.8%)

August 2007 - August 2019

Dubai, United Arab Emirates

Experience

In Time Tec

Software Development Trainee

July 2025 – September 2025

Rajasthan, India

- Enhanced RAG accuracy by migrating to semantic vector search on Qdrant with HNSW indexing for higher recall, improving response relevance and increasing internal adoption by 10%+, driving broader usage across teams.
- Worked on our company's legacy software using MVC architecture in the CakePHP framework, serving clients like Vodafone Idea and HOne. Developed robust unit tests with minimal code defects.
- Provided support as **L1 Engineer** and trained for **L2**, handling client environments on **cPanel** with **cron jobs, log monitoring, troubleshooting**, maintaining **Service Levels Agreements, monthly reporting**, and direct client interactions.

ZNET Technologies

June 2024 – June 2025

Rajasthan, India

Software Development Intern

- Automated invoice data extraction and transformation using Python scripts, reducing manual processing effort and saving 90%+ of data-handling time.
- Implemented a RAG pipeline in n8n.io leveraging vector embeddings and semantic vector search using PostgreSQL's vector extension to automate ticket responses, cutting TAT 30–50% and raising operational efficiency.
- Designed dynamic Power BI dashboards, streamlined cross-team tasks, and optimized progress tracking via Kanban.

Technical Skills

Languages: Python, SQL.

Tools & Libraries: Power BI, Scikit-Learn, Pandas, Numpy, Git, Microsoft Excel, MySQL, LLMs.

Core Areas: Data Cleaning, ETL, Data Visualization, BI Reporting, Process Automation, Statistical Analysis.

Projects

Traffic Sign Recognition System | Python | Scikit-Learn

April 2024

- Applied GTSRB Dataset preprocessing (noise reduction, grayscale, resizing, enhancement) and PCA – Principal Component Analysis for efficient modeling on 50k+ images, training Random Forest Classifier and MLP Neural Network, reaching 98% accuracy after grid search.

Vehicle Sales Analysis | Python | Scikit-Learn, Seaborn, Matplotlib, Pandas

March 2024

- Performed EDA on second-hand vehicle sales data to identify pricing drivers, visualize market trends, and derive actionable insights supporting data-driven decisions.

Publications

Patent: Automation of Animation by Video Generator (Patent Publication No: [202411059583 A])

Certification

* **Database Engineer Specialization** — June 2024

Institution/Provider: Meta

* **Basic and Advanced Data Analytics** — July 2025

Institution/Provider: Google

* **Database Foundations** — 2023

Institution/Provider: Oracle

Achievements

* Participated in Jagriti Yatra which is **World's Largest Entrepreneurship Train**, with a selection ratio close to 1:70 with the highest level of **Scholarship**(worth Rs 70,000).

* **BizGyan Tree Winner for Best Healthcare Startup in Tier 2/3 cities** by Jagriti Yatra.

* Awarded thrice the Student Excellence Award by the esteemed Director and Dean of Engineering.

* Finalist in hackathons at LNMIIT & IIT Patna; Semi-finalist at E-Summit, BITS Hyderabad.