

KARTIK PATIDAR

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🌐 [Linkedin](#)

🐙 [Github](#)

🏠 [Leetcode](#)

EDUCATION

Devi Ahilya Vishvavidyalaya

Bachelor of Science in Computer Science - CGPA - 7.2

08-2021 – 03-2024

Indore, India

K.R. Mangalam University

Master in Computer Application(AI/ML) - SGPA - 8.00

09-2025 – 06-2027

Gurugram, India

TECHNICAL SKILLS

Languages: Python, Java, HTML, CSS, JavaScript, SQL, AI Subsets(Machine Learning, Deep Learning)

Python Libraries/Framework: Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, PyTorch

Developer Tools: VS Code, Antigravity, AWS, Office 365, Power BI, Tableau, Maven, IntelliJ Idea Ultimate

Technologies/Frameworks: GitHub, Spring Boot, ReactJS, Git, Fast API, Rest API, Leetcode

PROJECTS

AI Drug Side Effect Prediction System 🚀 | [Python](#), [Machine Learning](#), [Streamlit](#)

06-2026

- Built an AI-powered Drug Side Effect Prediction System using Streamlit and a pre-trained Random Forest model to predict treatment outcomes from patient and drug-related inputs. Designed feature engineering, model loading, and real-time prediction logic for an interactive web application. Achieved 78.2 model accuracy and developed a responsive dashboard with prediction insights and model information. **Python, Machine Learning, Streamlit.**

Mini-Chat-Bot 🚀 | [Python](#), [Streamlit](#), [LLM](#), [Langchain](#)

07-2026

- Developed a Mini Agentic Chatbot in Python using LangChain, Mistral AI, and a persistent JSON memory module, wrapped in a premium CSS-styled Streamlit UI. Engineered a dynamic tool registry (Tavily search, BeautifulSoup web scraper, math/weather tools) with a custom heuristic fallback system to guarantee reliable tool execution. **Python, Streamlit, LLM, Langchain.**

Sentiment Analysis using RNN 🚀 | [Python](#), [PyTorch](#), [NLTK](#), [Scikit-learn](#), [Pandas](#), [RNN](#)

03-2026

- Processed 50,000 IMDB reviews using HTML cleaning, regex noise removal, stopword removal, and Porter Stemming, then converted text into TF-IDF features with the top 5,000 terms. Built and trained a custom PyTorch RNN for binary sentiment classification using BCELoss and Adam optimizer. Achieved 85.45 test accuracy, showing effective positive and negative sentiment detection. **Python, PyTorch, NLTK, Scikit-learn, Pandas, RNN.**

COURSEWORK / SKILLS

- | | | | |
|--------------------------------|-------------------------------------|----------------------|--------------------|
| • Data Structures & Algorithms | • Database Management System (DBMS) | • Gen AI | • Computer Network |
| • Machine Learning | • MySQL | • Agentic AI | • Web Development |
| • Deep Learning | • Artificial Intelligence | • Power BI and KNIME | |

CERTIFICATIONS

- Power BI for Beginner - Simplilearn
- Machine Learning with python - IBM
- Generative AI - OutSkills