

NAMAN KUMAR

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Skills

C++ | Python | Machine Learning | Data Analytics | Flask | SQL | Data Visualization | HTML | CSS | Javascript | Github

Education

Vivekananda Institute of Professional Studies, (till 3rd year)	2021-2025
□ Bachelor of Technology in Artificial Intelligence and Machine Learning, CGPA 9.2	
Spring Meadows Public School, Dwarka Mor, New Delhi (CBSE)	2020-2021
□ Class XII Aggregate: 85.6%	
Spring Meadows Public School, Dwarka Mor, New Delhi (CBSE)	2018-2019
□ Class X Aggregate: 89%	

Work Experience

<u>AI Intern - IBM SkillsBuild</u>	Jul'24-Aug-24
□ Tech Stack: Python, LangChain, Flask, Meta LLaMA2 (quantized), FAISS, HTML, CSS	
□ Developed a Medical Chatbot using the quantized LLaMA-2-7B-Chat model, integrated with FAISS for retrieving data from the Gale Encyclopedia of Medicine .	
□ Designed and implemented a responsive UI using HTML and CSS , enhancing user interaction.	
□ Built the backend with Python and Flask , ensuring efficient query processing and accurate response generation.	

Projects

<u>Analysis of World Cup using Power BI</u>	Mar'24
□ Uncovered valuable insights into player performances, team strategies, and tournament trends .	
□ Transformed raw data into compelling visual narratives using Power BI , bringing the cricket action to life.	
<u>Hate Speech Classification using LSTM architecture</u>	May'24
□ Perform preprocessing steps like Handling Imbalance Dataset using Pandas Library	
□ Implemented various NLP phases like Tokenization, Stopword Removal using NLTK library and Text Vectorization using embedding layer .	
□ Created LSTM model architecture from scratch and display prediction using Gradio app .	
<u>Automatic Number-Plate Detection</u>	Jan'24
□ Utilized a pre-Annotated dataset consisting of 433 images .	
□ Extensively processed XML files and converted annotations into YOLO Format .	
□ Trained a YoloV8 model for 100 epochs and mean average precision of 0.7 at IOU=0.5 .	
□ Successfully deployed the trained model using Streamlit for real time number plate detection .	

Academic and Extracurricular Achievements

□ Got 2nd position at Hackathon Organised by Kritrim-dhi Society at ADGITM college .	Mar'23
□ Mern Stack Course by Brain Mentors (Summer training)	Aug'23
