

Priyanshu Tiwari

✉ priyanshusanti00@gmail.com

☎ +91-9129606151

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Academics

Madan Mohan Malaviya University of Technology
B-Tech in Computer Science and Engineering, CGPA 8.41

Nov. 2022 – May 2026

Vega Memorial I C Gazipur, Tamkuhi, Kushinagar
12th Standard UP Board. Percentage: 74.2

2020

NavJeevan Mission School, Kasia, Kushinagar.
10th Standard CBSE Board. Percentage: 85

2018

Experience

IIIT NYR
Research Intern AI/ML

Onsite

May 2025 – July 2025

- Developing the **model** which detect the **Stress and Emotions** in the medical field.
- Using the **Machine Learning Algorithm and Deep Learning Model** to train the model.
- Analyzed the **model performance** and train over different dataset's to find the best Accuracy.

WorldQuant Brain
Research Consultant

Remote

May 2024 – Present

- Contribute to the firm's quantitative research efforts by developing and testing mathematical models, called **alphas** that predict financial market movements.
- Conducted **comprehensive data analysis** on large-scale financial datasets to identify hidden patterns, insights, and correlations using **Artificial Intelligence and Machine Learning techniques**.
- Analyzed **alpha performance** trends over time and in varying market conditions, identifying insights to enhance their predictive accuracy and effectiveness.
- Collaborated with **data and engineering teams** to effectively support researchers by using Machine learning .

Projects

Dora-AI Assistant

[Link](#) 

Python, Langchain, Langgraph, Pyaudio, GroqAI

- Developed a **voice-enabled AI assistant** using Python, integrating speech recognition (**PyAudio**) and text-to-speech (**gTTS, ElevenLabs**).
- Integrated **Large Language Models (LLMs)** for natural language understanding and contextual responses calls and enhance efficiency.
- Utilized **LangChain and LangGraph** to build modular conversation flows, prompt chaining, and memory handling.
- Implemented **Git/GitHub version** control for collaborative development and clean history tracking.



AI Chatbot RAG

[Link](#) 

Python, Langchain, FAISS, Streamlit, Olamma

- **RAG AI-Chatbot** integrates **retrieval-augmented generation (RAG)** to answer user queries using uploaded documents..
- Backend is built with **Python**, using **LangChain** for **LLM orchestration** and **Ollama** and **Groq API** for text generation.
- **Vector embeddings** store and retrieve knowledge from documents efficiently (e.g., via **FAISS**).
- Frontend uses **Streamlit** for a simple, interactive web interface where users can **upload files and chat and download** the chat.

Achievements

- Cleared Gate'CSE 2025 in 1st Attempt .
- Selected in Amazon ML Summer School'25 in 1st Attempt.
- Participated in CODIGO event conducted by Computer Engineering Society, MMMUT and was among top 5 participants.
- Solved 210+ problems on Geeksforgeeks . ([GFG Link](#) )
- Solved 120+ problems on Codechef ([CodeChef Link](#) )

Skills

Languages : Python, C++, C, JavaScript

Development : HTML, CSS, ReactJS, MongoDB, Numpy, Pandas, Matplotlib & Seaborn,, Tensorflow, PyTorch
Langchain, Langgraph, Langsmith

Others : Data Structure and Algorithms, Github, Bootstrap, Statistical Analysis, Data Analysis, Time Series Analysis, Natural Language Processing, Generative AI.

Computer Fundamentals : Database Management System, Object Oriented Programming , Machine Learning, Artificial Intelligence

Position of Responsibility

Training and Placement Cell

Student Coordinator

Coordinated placement and internship activities for students, serving as a bridge between the student body, recruiters, and the placement cell. Assisted in organizing placement drives, recruiter interactions, and pre-placement training sessions, ensuring a smooth recruitment process. Contributed to enhancing student employability, leading to a 20% increase in placement outcomes.

Go with Code(GWC) Society

Executive Member

Mentored junior members by providing guidance on project development, problem-solving techniques, and coding best practices, helping them enhance their technical skills and coding efficiency. Assisted in debugging, code reviews, and optimizing performance, fostering a collaborative learning environment and improving overall team productivity. .