

Rajani Maurya

Data Science & Machine Learning Enthusiast

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HackerRank | LinkedIn | GitHub | GeeksforGeeks

Education

Khwaja Moinuddin Chishti Language University
Computer Science engineering Bachelors
CGPA: 9.12

Lucknow
September 2023 - July 2026

government girls polytechnic
Information technology Diploma
Percentage: 76 %

Lucknow
September 2020 - September 2023

Experience

Girls Safety App , | AI , LLM & Prompt Engineering

Lucknow , India | JAN 2025 - present

Designed an AI-driven Girls Safety Assistant that predicts safe or unsafe zones using real-time data & Machine Learning models. Implemented (LLMs) & AI-based risk analysis to provide contextual safety alerts. Integrated the system with a user-friendly GUI for real-time recommendations.

Skills

Programming Languages: Python, C++, C programming

Libraries/Frameworks: Numpy, matplotlib, seaborn, pandas, Scikit-learn, docker, Hugging Face Transformers

Tools / Platforms: Linux, Conda, VS CODE, Jupyter Notebook, pycharm, Spider

Databases: SQL, AWS

Projects / Open-Source

Girls Safety Prediction using LLM & AI

Python, NLP, Machine Learning

Developed an AI-based Girls Safety Assistant that predicts the safety level of a location based (LLMs) & NLP techniques to analyze text data and provide AI-driven safety recommendations.

AI Virtual Assistant (Nova)

Python, OpenAI API, Speech Recognition, gTTS, Tkinter, OpenCV

Developed an AI-powered virtual assistant that performs real-time web searches, text-to-speech, speech-to-text, and chatbot functionalities. Designed Developed an AI-powered virtual assistant with a modern UI .

IPL Data Analysis & Prediction

Python, Pandas, Matplotlib, Seaborn, Scikit-learn

Conducted exploratory data analysis (EDA) on IPL datasets to derive meaningful insights and predict match outcomes using machine learning models.

Certifications

C programming - Pioneer Computer Education Center

Python Basic - Hacker rank

SQL - Hacker rank

Honors & Awards

Participant Google Girls Hackathon 2025- solo developer Track

Google Cloud Skills Credential Issued by Google Cloud | February 2025

Review Paper on AI-Powered Girls Safety Assistants (Unpublished, 2025)

Extramural Engagement

Delivered a tech talk on AI-Powered Assistants in college seminar.

Volunteered for coding workshops to mentor junior students in Python and DSA.