Ketan Kumar

Full Stack Developer | ketanktn | tiwariktn02@gmail.com | ketan

Portfolio | Lucknow, Uttar Pradesh, India | +91 9555284938

EDUCATION

Shri Ramswaroop Memorial College of Engineering and Management — Lucknow, India
CGPA :- 8.2 — *Aug 2021 – Jun 2025*

WORK EXPERIENCE

IBM Internship | Apprenticeship | CERTIFICATE — Jan 2024 – Feb 2024
Data Science — *Lucknow*

- Mastered Python programming with a focus on optimized code, data transformations, and task automation. Proficient in essential data science libraries such as pandas, numpy, and scikit-learn.

Cloud and Machine Learning — Aug 2022 – Sept 2022, Lucknow

- Learned cloud computing basics, including infrastructure and deployment models for resource management.
- Gained experience in machine learning with cloud platforms, focusing on model training and deployment.

Codesoft | CERTIFICATE — Jul 2024 − Aug 2024

- Completed an internship in web development at Codesoft, where I gained hands-on experience with modern web technologies and contributed to building and optimizing web applications.

Computer Society of India -SRMCEM | Vice- Secretary — Jan 2023 − Sep 2023

- Organized and led **seminars and workshops as a speaker**, managed schedules, communications, and documentation as Vice Secretary, enhancing student engagement and organizational efficiency.

PROJECTS

LLM Based Chatbot | LINK — Jan, 2025

- Developed a **responsive chatbot interface** using **HTML**, **CSS**, and **JavaScript**, incorporating features like **emoji support**, **file uploads**, and **smooth animations** for a **seamless user experience**.
- Integrated an **advanced language model API** to generate **dynamic**, **context-aware responses** with an **accuracy of 96%**, enhancing **chatbot interactivity** and providing a **conversational experience** across **desktop** and **mobile devices**.

Mobile Price Prediction | LINK — Sept, 2024

- The Mobile Price Prediction project employs machine learning to forecast smartphone prices using **Random Forest Regressor** (93% accuracy) and **Linear Regression** (87% accuracy). It involves data preprocessing, model training, and evaluation to predict price ranges.

EmergencyConnect — Dec, 2023 Ongoing

- **Developing EmergencyConnect Mobile App:** Created an innovative emergency response app with real-time health data transmission, live video consultations, and GPS-based emergency locator for swift assistance.
- **Enhanced Community Engagement:** Built a user-friendly platform with multi-language support, community-driven first aid network, and dynamic emergency forms, improving emergency preparedness and access to medical support.

SKILLS SUMMARY

Languages : C++ & C, SQL, Python, JavaScript

Framewoek and Technologies : HTML, CSS, Tailwind CSS ReactJs, NodeJs, Express, PostgreSQL, MongoDb, Pandas, NumPy, Matplotlib, Scikit-Learn

Coursework : DSA (C++), Operating Systems, Compiler Design, Software Engineering, DBMS

Tools : Git, GitHub, Google Sheet, Power Point, Excel