Kritika Singh

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PROFILE

Computer Science Engineering student with strong skills in **full-stack web development** and **data analytics**. Proficient in **C++**, **Python**, and **JavaScript**, with experience building applications using the **MERN stack**. Knowledgeable in **data analysis tools** like **NumPy**, **Pandas**, **Power BI**, and **MS Excel**. Passionate about creating **scalable**, **user-friendly** software solutions and uncovering insights from data.

SKILLS

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

Web Development: React.js, Tailwind CSS, Node.js, Express.js, MongoDB

Data Analytics: NumPy, Pandas, Power BI, MS Excel

Tools: Git, Visual Studio Code, Canva, Postman

Soft Skills: Problem-Solving, Leadership, Public Speaking, Time Management

PROJECTS

JourneyBot – AI Trip Planner 🔗
React.js, Tailwind CSS, Firebase, Gemini API, Google Authentication
- Developed an AI-powered trip planner that provides personalized travel recommendations using the Gemini API.
- Implemented Google Authentication via Firebase, ensuring secure user logins.
- Designed a responsive UI with ShadCN UI, improving user engagement.
- Integrated real-time Firebase storage for seamless itinerary management.
- Added budget optimization and interactive maps to enhance the travel planning experience.

EV Data Analysis Dashboard 🔗
Python, Pandas, React, Recharts, CSS, JSON
- Cleaned and analyzed EV datasets using Python and Pandas to extract insights on top brands, vehicle types, yearly trends, and regional adoption.
- Converted processed data into structured JSON files for modular and scalable frontend use.
- Built an interactive data visualization dashboard using React and Recharts, with custom styling via CSS for a responsive user interface.

EDUCATION

Heritage Institute of Technology   2022 – present
B.Tech in Computer Science and Engineering   Kolkata
GPA(till 5th Sem): 8.63/10
Relevant Courses: Operating System, Database Management System, Data Structure and Algorithms, Object Oriented Programming, Data Analysis using Python and R.

CERTIFICATES

- The Complete Full-Stack Web Development Bootcamp(2025) - Udemy
- Introduction to Data Analytics (2025) – IBM (Coursera)
- Postman API Fundamentals Student Expert (2024) - Postman

EXTRA-CURRICULAR ACTIVITIES

- **3rd Place – Brainstorm'24** (Intracollege Coding Competition by ACM HITK) out of 100+ participants.
- **Editor – HI-Tech**: Launched and managed a student-run magazine for the CSE department.
- **Design Team Lead – Hult Prize**: Led the design team, increased event engagement through compelling visuals.
- **Volunteer-NSS :** Organised various community wellness drives such as Blood Donation camps.