Dev Ruhela

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EDUCATION :

Indian Institute of Information Technology, Allahabad
BTech in Information Technology-Business Informatics (2023–Present)
GPA: **8.83**/10

Bal Vidya Mandir Sr. Sec. School, Sambhal
CBSE - Class XII (June 2022)
Percentage: **97.4**

Bal Vidya Mandir Sr. Sec. School, Sambhal
CBSE - Class X (June 2020)
Percentage: **95.6**

PROJECTS :

1. ChatIIITA: AI-based College Query Chatbot MERN ↗ PythonBackend ↗ Live Link ↗   Sep 2024 – Nov 2024

- **Goal**: To create a scalable, **full stack web application** system along with **Generative-AI** that simplifies college-related query resolution for students, faculty, and administrators through advanced automation and intuitive design.
- Built a responsive **React** frontend with a feature-rich *chat interface*, including *chat history saving*, *voice-to-text input*, *quick links* to essential college resources, a dashboard displaying *recent searches*, and an *edit profile* option for personalized user experiences.
- Implemented user authentication with **Google OAuth** integration for secure and seamless login and sign-up along with **React Router** and **Zustand** for efficient state management and routing across the application.
- Integrated a Python-based Generative AI chatbot using **FastAPI** and **LangChain**, enabling real-time query resolution based on fine-tuned **LLaMA-3.1-70B** models trained on custom datasets and **whisper-large-v3-turbo** model for voice-to-text translation.
- Developed a robust backend with **Express**, **Node.js**, and **MongoDB**, handling *OTP email verification* via **Nodemailer**, user login/signup, password reset, and efficient management of user data and feedback for seamless chatbot functionality.

Technologies Used: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, FastAPI, LangChain, LLaMA-3.1-70B, Whisper-large-v3-turbo, Nodemailer, Google OAuth, Render, Railway.app, React Router, Zustand , GroqCloud

2. WEATHER APP : Link ↗ Live Link ↗   July 2024

- Developed a dynamic web application that provides real-time weather updates for any location using API calls.
- Implemented responsive design ensuring seamless usability across devices.
- Integrated features like temperature, humidity, and weather condition display with location-based search.
- Optimized API requests to ensure fast and accurate data retrieval.

Technologies Used: HTML, CSS, JavaScript, **OpenWeatherMap API.**

RELEVANT COURSEWORK :

Data Structures and Algorithms (**10/10**) , Problem Solving with Programming (**9/10**) , Computer Organisation and Architecture (**9/10**) , Web Development (**8/10**)

SKILLS :

- **Languages**: C,C++,Java(Basics),HTML,CSS,Javascript
- **Libraries,Frameworks and others**: ReactJS , NodeJS , ExpressJS , Redux , Zustand , MongoDB , FastAPI

ACHIEVEMENTS :

- Attained a max rating of **1729** on LeetCode having appeared for over 10 contests.
- Solve a total of **800+** DSA problems on various platforms such as LeetCode ↗ and CodeForces ↗
- Secured a global rank of **2160** out of 30000 candidates in the LeetCode Biweekly Contest 141 ↗
- Secured a **99+** percentile in JEE MAINS with over 12 lakhs total candidates.

POSITION OF RESPONSIBILITY :

Prayaas NGO: Contributed to empowering underprivileged children through academic support, mentorship, and organizing educational initiatives to foster holistic development.