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https://pratyush-portfolio-rust.vercel.app/

TECHNICAL SKILLS

- DBMS
- ReactJS

PROGRAMMING LANGUAGES

- Python
- JAVA
- SQL

HOBBIES

- Problem Solving
- Web Development
- Reading Military Books
- Researching about Modern Tech Gadgets
- Physical Fitness

PRATYUSH SARKAR

PROFILE

As a BTech graduate with hands-on experience in React and MERN Stack development, I aim to enhance user experiences while continuously learning and growing in a dynamic team environment.

EDUCATION

B.Tech | University of Engineering and Management , Kolkata

Aug 2021 – July 2025

- CGPA: 8.14 (till 7th Sem)
- Computer Science and Engineering

Class 12 | Kendriya Vidyalaya No.2 Salt Lake

April 2019 – April 2021

- Percentage: 81.2%
- Computer Science

Class 10 | Kendriya Vidyalaya No.2 Salt Lake

April 2009 – April 2019

- Percentage: 81.8%

CERTIFICATIONS

Full Stack web development, MERN stack project/ Udemy (Ongoing)

PROJECTS

Advanced Traffic Monitoring System (ATMS)/ (Team Project)

Tech Stack: Python, JavaScript, React.js, SQLite, OCR (Tesseract), Google Maps API

- Designed and developed a smart traffic management solution that automates vehicle monitoring using AI-based License Plate Recognition (LPR).
- The system integrates live traffic data and enables features like automatic traffic light control, stolen vehicle detection, and e-fine generation.

Tuition Services Website

Website URL – <https://www.hellosir.co.in/>

Tech Stack: HTML, CSS, JavaScript

- Designed and developed a responsive website for a private tuition service to showcase academic profile, achievements, and contact details.
- Implemented clean, user-friendly UI with a focus on academic professionalism and accessibility.
- Optimized for performance and cross-device compatibility.
- Deployed and maintained live version on a custom domain.

Weather Website

Website URL – <https://vercel.com/pratyushs-projects-00c4c11b/simple-weather-website>

- Developed a real-time weather website using HTML, CSS and Javascript.
- Integrated Weather API to fetch live weather data based on user input location/city.
- Designed a clean user-friendly UI, with background image to enhance interaction.
- Ensured mobile responsiveness for seamless usage across different devices.
- Implemented error handling for invalid location and API request failures.

EXPERIENCE

IBM Skills Build Internship Program with CSRBOX on AI-ML

- Gained hands-on experience with IBM Watson tools, including Watson Assistant and Watson Studio.
- Developed an intelligent chatbot capable of understanding user queries. Designed and implemented a Kidney Disease Detection System leveraging machine learning. Utilized IBM Watson's Auto AI feature to automate model selection and optimize hyperparameters for predictive analytics.
- Collaborated in a team environment to enhance AI models' performance and deploy solutions efficiently. Documented and presented project results, emphasizing scalability and practical applications in healthcare.