PRATYUSH SARKAR

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🌐 https://personal-portfolio-orcin-six.vercel.app/

TECHNICAL SKILLS

- Full Stack Web Development
- Cloud Computing
- HTML/CSS
- ReactJS

PROGRAMMING LANGUAGES

- Python
- JAVA
- SQL

HOBBIES

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

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

AWS Fundamentals (Coursera)
- Gained foundational knowledge of AWS Cloud concepts, including core services, security, pricing, and architecture best practices.
- Learned how to navigate AWS services to understand cloud computing principles, billing models, and AWS global infrastructure.

IBM Introduction to Machine Learning (Coursera)
- Learned fundamental machine learning concepts, including supervised and unsupervised learning, model evaluation, and key ML algorithms.
- Gained hands-on experience with ML tools such as Python, Scikit-learn, and real-world data analysis for predictive modeling.

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

PROJECTS

Pothole Detection System
- Utilized YOLOv8 (You Only Look Once), a state-of-the-art object detection framework, to identify and classify potholes in real-time from video feeds and images with high accuracy.
- Implemented the system using Python and trained the model on annotated datasets, achieving 90% detection accuracy. Integrated results to assist in proactive road maintenance and safety measures.

Personal Portfolio
Website URL-   https://personal-portfolio-orcin-six.vercel.app/
Designed and developed a responsive personal portfolio website using **HTML, CSS, and JavaScript** to showcase projects and skills.
- Integrated Downloadable CV functionality and links to GitHub, LinkedIn and other social media platforms.
- Hosted Website on GitHub and Vercel for easy accessibility

Weather Website
Website URL-   https://simple-weather-website-pi.vercel.app/
- 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.