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## TECHNICAL SKILLS

- Full Stack Web Development
- Cloud Computing

## PROGRAMMING LANGUAGES

- Python
- JAVA
- C
- SQL
- ReactJS
- JavaScript
- HTML/CSS

## HOBBIES

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

# 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 7<sup>th</sup> 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 (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.

### Full Stack Project (Ongoing)

## 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 AutoAI 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.