



Rohit Kumar Adak

CSE Student

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About Me

I am a third-year Computer Science and Engineering student at Adamas University, Kolkata. Skilled in Python, C++, Java, SQL, Firebase, and React.js, I have completed several hands-on projects that strengthened my expertise. I am passionate about exploring innovative solutions and applying knowledge through interactive and practical projects.

Skills

Technical Skills:

- **Programming:** Python, JavaScript (React JS), FastAPI, Django, C++, JAVA
- **Databases:** MongoDB, MySQL
- **Cloud & Tools:** Firebase, Git, AWS
- **AI/ML:** Model Development, Data Analysis

Soft Skills:

- Creative Solutions & Problem-Solving
- Teamwork & Leadership
- Adaptability & Critical Thinking

Education

- **B.TECH in Computer Science and Engineering**
Adamas University 2023 - 2027
ADDRESS: BARASAT, KOLKATA-700126
SGPA: 1st sem. - 8.00 2nd sem. - 6.68
3rd sem.- 8.09 4th sem. - 8.64
- **Class - 12 (AISSCE)**
Vivekananda Mission High School 2022 - 2023
ADDRESS: Mechogram, Purba Medinipur, Pin no. - 721139
MARKS (Percentage): 62.2%
- **Class - 10 (AISSE)**
Vivekananda Mission High School 2020 - 2021
ADDRESS: Mechogram, Purba Medinipur, Pin no. - 721139
MARKS (Percentage): 89.4%

Projects

- **NEURA AI**
A voice-driven AI assistant that performs tasks, answers queries, controls apps, and plays media through natural conversation for a hands-free experience.
- **AquaWatch**
A real-time water level monitoring and prediction system using DWLR sensors that tracks levels, sends alerts, and forecasts fluctuations for smarter, preventive water management.
- **ISL to text to speech**
An ML system that translates Indian Sign Language gestures into text and speech in real time using computer vision to bridge the communication gap between deaf and hearing communities.
- **Crash Detection System**
An IoT-based safety device for two-wheelers that detects crashes above 40 km/h and instantly sends location alerts to hospitals and police for rapid emergency response.
- **Heart Disease Prediction**
Developed an ML based model for Heart Disease Prediction using patient health data to classify risk levels and assist in early diagnosis.

Achievements and Hackathons

- **Code for Change 2025**
Hackathon by NSHM Knowledge Campus, Durgapur, and OSSDC (March 15-17, 2025).
- **Symposium Book of Abstracts 2025**
One-day Symposium on "Intelligent Horizons: The Future of AI/ML Across Cloud, Security and Beyond" organized by the Department of Computer Science & Engineering, **JIS University**, on 19th June 2025.
- **Smart India Hackathon 2023 - 25**
Selected for the Internal Smart India Hackathon (2023-25) for developing innovative tech solutions and showcasing strong teamwork and problem-solving skills.
- **NPTEL Online Certification 2023 - 25**
Successfully completed NPTEL certification courses on C, Data base Management System (DBMS) and Python from IIT, Kharagpur