



# Rohit Kumar Adak

CSE Student

rohitadak.vercel.app

## Contact

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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, HTML, CSS
- 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:** 1<sup>st</sup> sem. - 8.00      2<sup>nd</sup> sem. - 6.68  
3<sup>rd</sup> sem. - 8.09      4<sup>th</sup> 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 19<sup>th</sup> 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