

# Priyotosh Roy

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## PROFILE SUMMARY

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Motivated Computer Science undergraduate with AICTE approved internship experience at VaultofCodes and Edunet Foundation on the domain of Artificial Intelligence, working on AI and Python-based projects. Solved 250+ DSA problems, with strong basics in programming, DSA, and DBMS.

## EDUCATION

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**University of Engineering and Management, Kolkata**

*Bachelor of Technology, Computer Science and Engineering, 8.88 GPA*

Newtown, Kolkata

*Aug 2022 – May 2026*

**Chhatrashal Radhanagar Bireswar High School**

*Higher Secondary, 90.6 %*

Chhatrashal, Hooghly

*July 2020 – May 2022*

## EXPERIENCE

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**Artificial Intelligence and Prompt Engineering Intern**

June 2025 – July 2025

*VaultofCodes - AICTE Approved*

*Remote*

- Built an AI assistant using **Flask**, **HTML/CSS**, and **OpenRouter API** to answer questions, summarize text, and generate creative content

**Artificial Intelligence Intern**

Nov 2024 – Dec 2024

*Edunet Foundation (Microsoft and SAP CSR)*

*Remote*

- Developed an attendance system using **Python** and **OpenCV** that marks attendance by recognizing faces.
- Saved records in **MySQL** and added features like image capture, manual entry, **CSV reporting**, and a simple UI.

## PROJECTS

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**AI-IoT Based Underwater Monitoring System for Water Quality Indexing**

**Aquatic Sound Detection and Tx/Rx Communication**

June 2024 – On Going

- Contributing to an **AI + IoT-based system** to monitor water quality, detect aquatic sounds, and support underwater communication.
- Focused on designing and implementing Tx/Rx modules for real-time data transmission and reception.

**CodeMaster** – *HTML, CSS, JavaScript – codemaster-t6q4.onrender.com*

July 2025 – Aug 2025

- Created a website “CodeMaster” for students to practice coding, take tests, and read study notes on DSA, Java, and Core Subjects(DBMS, Object Oriented Programmings, Operating Systems, Computer Networks).
- Added login, test categories, coding challenges, and made it live online so anyone can use it easily.

## SKILLS & INTERESTS

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**Programming Languages:** Java, Python, JavaScript

**Web Technologies:** HTML, CSS

**Databases:** SQL, Firebase

**Developer Tools:** Git, GitHub, VS Code, Jupyter Notebook

**Core Competencies:** Data Structures and Algorithms, Object-Oriented Programming, DBMS, Operating Systems

## CERTIFICATIONS

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**Java Object-Oriented Programming** – LinkedIn Learning.

**Introduction to Web Design and Development** – LinkedIn Learning.

## ACHIEVEMENTS

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**Solved 250+ DSA problems** on LeetCode.

**LeetCode 100 Days Badge:** awarded for consistent problem-solving and coding discipline.

**1st Rank in School** – secured top position in Higher Secondary Examination.