

Priyotosh Roy

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PROFILE SUMMARY

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

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

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

AI-IoT Based Underwater Monitoring System for Water Quality Indexing

June 2024 – On Going

Aquatic Sound Detection and Tx/Rx Communication

- 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

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

Java Object-Oriented Programming – LinkedIn Learning.

Introduction to Web Design and Development – LinkedIn Learning.

ACHIEVEMENTS

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.