

PRIYOTOSH ROY

B.Tech

Computer Science and Engineering

University of Engineering and

Management, Kolkata

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EDUCATION

Degree/Certificate	Institute Name	CGPA/Percentage	Year
B.Tech.	University of Engineering and Management, Kolkata	8.85 CGPA	2026
Higher Secondary	Chhatrashal Radhanagar Bireswar High School	90.6%	2022

EXPERIENCE

- **VaultofCodes** June 2025 - Present
AI and Prompt Engineering Intern Remote
 - Optimized over 100 prompts for LLMs, improving output relevance by 30%
 - Reduced AI hallucinations by 40% through advanced prompt tuning
 - Automated prompt workflows, increasing content productivity by 25%
- **Edunet Foundation (IBM SkillBuild)** Jan. 2025 - Feb. 2025
Cyber Security Intern Remote
 - Engineered a Python-based steganography system with a 95%+ hidden data retrieval rate
 - Strengthened image encryption, improving confidentiality across communication pipelines.
- **Edunet Foundation (Microsoft and SAP CSR)** Nov. 2024 - Dec. 2024
Artificial Intelligence Intern Remote
 - Developed a face recognition-based attendance system with over 90% accuracy using OpenCV
 - Reduced manual attendance logging by 80%, effectively eliminating proxy entries

PROJECTS

- **LeafScan** May. 2024 - June. 2024
Remote Drive
 - Designed a deep learning-based system using TensorFlow and Keras to detect plant diseases from leaf images with high accuracy.
 - Implemented image preprocessing, model evaluation, and a user-friendly interface for real-time diagnosis.
- **Attendance Management System Using Face Recognition** Nov. 2024 - Dec. 2024
Remote <https://github.com/priyotosh-27/Project>
 - Built a face recognition-based Attendance Management System using machine learning for real-time, automated attendance tracking, reducing manual effort by 90% and eliminating 100% of proxy entries
 - Enhanced accuracy and security by eliminating proxy attendance and enabling reliable record management.
- **Secure Data Hiding In Images Using Steganography** Jan. 2025 - Feb. 2025
Remote <https://github.com/priyotosh-27/Project>
 - Developed a Python-based steganography system to securely hide and extract confidential text data within image pixels.
 - Implemented password-protected encryption to ensure secure and undetectable data transmission.

SKILLS

- **Competitive Programming:** Solved **500+ DSA problems** on various platforms & **5 - Star coder** on HackerRank
- **Programming:** Java, Python, C, JavaScript, HTML, CSS
- **Libraries/Frameworks :** Numpy, Pandas, TensorFlow, Scikit-learn, OpenCV
- **AI/ML Skills:** Supervised & Unsupervised Learning, Deep Learning, Convolutional Neural Networks (CNN), Transfer Learning, Prompt Engineering
- **Tools / Platforms:** Git, GitHub, Jupyter Notebook, VS Code, Canva, MS Excel, MS Word, Gen- AI Tools
- **Databases:** SQL
- **Core Concepts:** Data Structures and Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems

CERTIFICATIONS

- **Java Object Oriented Programming:** Inheritance, Polymorphism, Encapsulation, and Abstraction [Certificate](#)
- **HTML For Programmers:** Covered HTML structure, elements, attributes, and common elements such as headings, paragraphs, lists, links, and forms. [Certificate](#)
- **Generative AI:** Large language models (LLMs) are central, powering text generation, conversational AI, and content creation. [Certificate](#)