

Education

•University of Engineering and Management, Kolkata Bachelor of Technology in Computer Science and Engineering	2023-2027 YCGPA: 8.7
•Birbhum Zilla School West Bengal Council of Higher Secondary Education (XII)	2022 Percentage: 95.2%

Experience

CypherByte <ul style="list-style-type: none">• Gained proficiency in modern web development tools and frameworks, focusing on scalability, responsiveness, and improving user experience.• Demonstrated effective problem-solving skills by debugging and resolving coding issues efficiently to ensure optimal application performance.• Developed responsive and user-friendly web pages using HTML, CSS, JavaScript, and Bootstrap.• Collaborated with a team to create dynamic and interactive features for websites, ensuring optimal performance.• Designed and implemented functional components for real-world projects to meet user requirements.• Gained proficiency in web development tools and frameworks, enhancing the scalability and responsiveness of web applications.• Demonstrated effective problem-solving skills to debug and resolve coding issues efficiently.	Internship
CodSoft <ul style="list-style-type: none">• Contributed to building secure, high-performance, and scalable web applications by leveraging HTML, CSS, JavaScript, and React.js.• Collaborated with the team to implement encryption protocols, enhancing user data security and compliance with best practices.• Contributed to the development of secure and scalable web applications using HTML, CSS, JavaScript, and React.js.• Collaborated with the team to integrate encryption protocols, ensuring enhanced security for user data.	Internship

Projects

Medical Store Management System Built using React.js to enhance dynamic capabilities and ensure an interactive user experience. Developed a secure authentication module to protect user data and improve the system's security. <ul style="list-style-type: none">• Designed and developed a dynamic web-based system using HTML, CSS, and JavaScript to manage medicine inventory, sales, and user interactions.• Implemented features like search, filtering, and data validation to enhance user experience and operational efficiency.	HTML, CSS, JavaScript, React.js
Personal Portfolio Website <ul style="list-style-type: none">• Built a responsive and interactive portfolio website using HTML, CSS, and JavaScript to showcase projects, skills, and achievements.• Designed a clean, user-friendly interface with smooth navigation and cross-device compatibility.	HTML, CSS, JavaScript

SHEcurity:

The **Women Safety** website is designed to provide comprehensive protection and support for women through innovative features. It offers real-time **SOS alerts** that can be triggered in case of emergencies, instantly notifying loved ones or authorities. **Live tracking** ensures that a user's location is constantly monitored for added safety. Unique to this platform, the website includes a **Menstrual Tracker** to help users track their cycle and related symptoms, promoting better health awareness. Additionally, it offers a **Pregnancy Tracker**, giving expectant mothers personalized updates and information on their pregnancy journey. This holistic approach combines safety, health, and well-being into one seamless platform.

Car Parking and Vehicle Counting System using YOLOv8 and OpenCV:

Built a real-time system to detect and count vehicles in parking zones using YOLOv8. Used OpenCV for video processing and visualizing bounding boxes and counters. Defined parking zones with ROI to track car entry and exit accurately. Implemented centroid-based logic for tracking vehicle movement across frames. Reduced false detections using confidence threshold and zone filtering. Supported both webcam and video input for live or recorded analysis. Displayed real-time vehicle count and parking availability overlay. Achieved >90% accuracy in controlled parking lot videos. Tech Stack: Python, YOLOv8, OpenCV, NumPy

Skills and Strengths:

Languages and Frameworks: HTML, JavaScript, CSS, React.js, PHP
Dev Skills: Python, C, Java, SQL
Soft Skills: Teamwork, Leadership, Problem Solving and Debugging, Communication, Event Management
CS Fundamentals: Data Structures & Algorithms
UI/UX Design: Figma
Soft Skills: Teamwork, Leadership, Problem Solving, Communication, Event Management

Positions of Responsibility:

- GDG (Google Developers Group) Kolkata, Member
- ML Kolkata , Member

CERTIFICATES:

Microsoft Teams Essential Training	(LinkedIn Learning)
Building Next Generation AI System	
Introduction to Artificial Intelligence	
Using SQL with Python	
Advance System Security Topics	(Coursera)
Jadavpur Doubleslash Hackathon	(Finalist)
Tech Kurukshetra	(Project Competition)