

# Debajyoti Talukder

Passionate software engineer with strong programming and problem-solving skills. Well-versed in C, Python, Java, Git, GitHub, web development, and full-stack development. Eager to learn, grow, and contribute to the success of a dynamic organization.

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📄 debajyotitalukder2001.github.io/portfolio.github.io

🐙 github.com/DebajyotiTalukder2001

## EDUCATION

### B.Tech, Computer Science and Engineering Murshidabad College of Engineering and Technology, Berhampore, West Bengal

2020 - 2024

University: Maulana Abul Kalam  
Azad University of Technology,  
West Bengal | CGPA: 9.30

#### Relevant Courses

- Data Structures and Algorithms (DSA)
- Object-Oriented Programming (OOP)
- Operating Systems
- Software Engineering
- Design and Analysis of Algorithms (DAA)
- Database Management Systems (DBMS)
- Computer Networks
- Cloud Computing

### Class 12th, Science Krishnagar Collegiate School, West Bengal

2018 - 2019

West Bengal Board | Percentage:  
91.8

### Class 10th Krishnagar High School, West Bengal

2016 - 2017

West Bengal Board | Percentage:  
93.8

## PROJECTS

#### Traffic Monitoring System

- **GitHub Link:** <https://github.com/DebajyotiTalukder2001/Traffic-Monitoring-System>
- **Technologies Used:** Python, Python libraries such as OpenCV, NumPy, Pandas, and Ultralytics YOLOv8
- Developed a system that effectively detects, tracks, and counts vehicles, estimates their speeds, and identifies speed limit violations with 95% accuracy, promoting proactive traffic management and safety.
- Achieved robust performance across diverse video datasets by effectively integrating YOLOv8's state-of-the-art pretrained model and implementing a centroid tracking algorithm, ensuring adaptability to real-world traffic scenarios.

#### E-Commerce Website

- **GitHub Link:** <https://github.com/DebajyotiTalukder2001/E-Commerce>
- **Technologies Used:** HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, MySQL
- Developed a fully responsive e-commerce website inspired by Nykaa-Fashion, India's leading fashion and lifestyle platform. Implemented functionalities like user registration and login, product listings with search and categorization, a secure shopping cart, an integrated payment gateway, and a comprehensive order management system for the admin panel.
- Optimized the website for both mobile and desktop devices, leveraging Bootstrap's responsive framework, which reduced development time by 20%, ensuring a seamless and user-friendly shopping experience across all platforms.

## TECHNICAL SKILLS



## SOFT SKILLS



## INDUSTRIAL TRAINING

#### Full-Stack Web Development (12/2022 - 05/2023)

Ardent Computech Pvt. Ltd., Kolkata, West Bengal

- Gained hands-on learning experience with full-stack development technologies such as HTML, CSS, Bootstrap, JavaScript, jQuery, PHP, and MySQL through curated courses, collaborative project-based environments, and master class sessions.

## CERTIFICATES

#### IBM SkillsBuild Internship Program on Front-End Development (2023)

AICTE, IBM SkillsBuild, and Edunet Foundation

#### Web Development Fundamentals (2023)

IBM SkillsBuild

#### Python Development Internship Program (2023)

CodeSpeedy Technology Private Limited, Kolkata, West Bengal

#### Python Programming Essentials (2023)

Cisco Networking Academy

#### Software Development Internship Program (2023)

Exposys Data Labs, Bengaluru, Karnataka

#### PrepSAT - Hiring Jobathon (2023)

PrepSAT by PrepInsta is a jobathon, i.e., a hiring hackathon. Ranked among the top 7% in the highly competitive assessment, demonstrating strong problem-solving and analytical skills.

## INTERESTS

