# 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*

*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
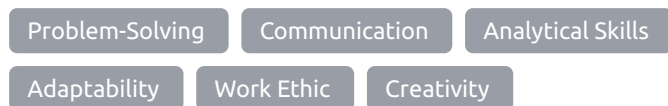
### E-Commerce Website
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/E-Commerce
- **Technologies Used:** HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, MySQL
- Developed a fully responsive e-commerce website inspired by Nykaa-Fashion, India's leading fashion and lifestyle platform. Implemented 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

C · Java · Python · Git · GitHub · Docker · HTML · CSS · Bootstrap · JavaScript · jQuery · React.js · PHP · MySQL · Node.js · MongoDB · RESTful APIs · Flask · Linux · Microsoft Office

## SOFT SKILLS

Problem-Solving · Communication · Analytical Skills · Adaptability · Work Ethic · Creativity

## CERTIFICATES

**IBM SkillsBuild Virtual Internship Program on Front-End Development (2023)** ⬈
*Issued by AICTE, IBM, and Edunet Foundation.*

**Software Development Virtual Internship Program (2023)** ⬈
*Issued by Exposys Data Labs, Bengaluru, Karnataka.*

**Python Development Internship Program (2023)** ⬈
*Issued by CodeSpeedy Technology Private Limited, Kolkata, West Bengal.*

**Full-Stack Web Development Industrial Training Program (2023)** ⬈
*Issued by Ardent Computech Pvt. Ltd., Kolkata, West Bengal.*

**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.*

## LANGUAGES

**English**
*Professional Working Proficiency*

**Hindi**
*Professional Working Proficiency*

**Bengali**
*Native or Bilingual Proficiency*

## INTERESTS

Web Development · Full-Stack Development · DevOps · Machine Learning · Deep Learning