Debajyoti Talukder

Aspiring software engineer with a passion for learning and innovation. Proficient in programming and problem-solving. Well-versed in C, Data Structures and Algorithms, 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

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

PERSONAL 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
- This system can efficiently detect, track, and count vehicles moving in either direction and estimate the speed of the vehicles. It can also detect vehicle speed limit violations to ensure road traffic safety. Implemented the centroid tracking algorithm to track vehicles. The system was evaluated on the YOLOv8's state-of-the-art pretrained model. Tested on different videos, and average accuracy achieved by the system is up to 95%

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, product listings with search and categorization, secure shopping cart, integrated payment gateway, and a comprehensive order management system for the admin panel. The website is optimized for mobile and desktop devices, providing customers with a seamless and user-friendly shopping experience

Brain Tumor Detection using CNN
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/BrainTumorDetection_Using_CNN
- **Technologies Used:** Python, Python libraries such as NumPy, Tensorflow, Keras, Matplotlib, and Streamlit
- Built a high-accuracy brain tumor detection system using TensorFlow and Streamlit, achieving an impressive success rate in predicting tumor presence from MRI images. Trained the TensorFlow model in the Google Colab environment, and average accuracy achieved by the system is up to 93%, leveraging a powerful convolutional neural network (CNN) architecture. Deployed the model using Streamlit's intuitive framework for rapid development and streamlined deployment

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

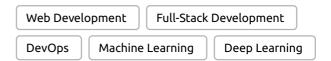*2018 - 2019*   *West Bengal Board | Percentage: 91.8*

Class 10th
Krishnagar High School, West Bengal

2016 - 2017   *West Bengal Board | Percentage: 93.8*

INTERESTS

Web Development   Full-Stack Development
DevOps   Machine Learning   Deep Learning

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.