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.

debojyoti.talukder.2017@gmail.com

+917029742010

Krishnanagar, India

debajyotitalukder2001.github.io/portfolio.github.io

in.linkedin.com/in/debajyoti-talukder-29358a25b

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

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

PERSONAL PROJECTS

Brain Tumor Detection using CNN

- **GitHub Link:** https://github.com/DebajyotiTalukder2001/BrainTumorDetection_Using_CNN
- **Technologies used:** Deep Learning, Convolutional Neural Network (CNN), Python, Python libraries such as NumPy, Tensorflow, Keras, Matplotlib, and Streamlit
- This brain tumor detection system is a system that can predict whether the given image (MRI) of the brain has a tumor or not. Trained the TensorFlow model in the Google Colab environment, and average accuracy achieved by the system is up to 93%. Deployed the model using Streamlit and Google Colab Local Tunnel API

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
- Created a complete responsive E-Commerce website based on Nykaa-Fashion, which is one of the largest E-Commerce platforms for fashion and lifestyle in India. The website's features include admin panel, user registration, product listings, shopping cart, checkout, and order management

TECHNICAL SKILLS

Computer Science Fundamentals
Data Structures and Algorithms, Database Management Systems (DBMS), Object-Oriented Programming (OOP), Computer Networks, Operating Systems (OS), Software Engineering, Cloud Computing

Programming Languages
C, Python, Java

Web Development
HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, jQuery, React.js, PHP, Node.js, APIs, Flask, FastAPI

Database Management
MySQL, MongoDB

Tools
MS Visual Studio Code, Git, GitHub, Docker, MS Office

Operating Systems
Linux, Windows

SOFT SKILLS

Problem-Solving | Communication | Analytical Skills | Teamwork | Adaptability | Work Ethic

INTERESTS

Web Development | Full-Stack Development | DevOps | Artificial Intelligence | Machine Learning | Data Science | Deep Learning | Cyber Security

CERTIFICATES

IBM SKillsBuild Virtual Internship Program on Front-End Development (2023)

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

Python Development Virtual Internship Program by CodeSpeedy Technology Private Limited, Kolkata, West Bengal (2023)