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, Git, GitHub, Web Development, and Full-Stack Development. Adept at using Python, Java, and other programming languages to produce clean code. Eager to learn, grow, and contribute to the success of a dynamic organization.

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github.com/DebajyotiTalukder2001

EDUCATION

Bachelor of Technology in Computer Science & Engineering

Murshidabad College of Engineering and Technology

11/2020 - 07/2024

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

Courses

- Data Structures and Algorithms (DSA), Computer Organization and Architecture (COA), Object-Oriented Programming (OOP), Software Engineering, Artificial Intelligence, Database Management Systems (DBMS), Operating Systems (OS), Computer Networks, Cloud Computing, Cyber Security

Class 12th, Science

Krishnagar Collegiate School

07/2018 - 07/2019

West Bengal Board | Percentage: 91.8

Class 10th

Krishnagar High School

05/2016 - 05/2017

West Bengal Board | Percentage: 93.8

CERTIFICATES

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

Full-Stack Web Development Industrial Training by Ardent Computech Private Limited, Kolkata (2023)

Crash Course on Python - Coursera (2023)

The Full-Stack - Coursera (2023)

Python Programming Essentials - Cisco Networking Academy (2023)

Applied Data Science with Python - IBM SkillsBuild (2023)

Web Development Fundamentals - IBM SkillsBuild (2023)

SKILLS

C | Data Structures and Algorithms | Java | Object-Oriented Programming (OOP) | Python | Machine Learning | Data Science | Deep Learning | Git | GitHub | DevOps | Full-Stack Development | UI/UX | Web Development | HTML | CSS | Bootstrap | Tailwind CSS | JavaScript | jQuery | React.js | PHP | MySQL | Flask | FastAPI | Node.js | MongoDB | APIs | Microsoft Office | Linux | Problem Solving | Communication

PERSONAL PROJECTS

Brain Tumor Detection using CNN (10/2023 - 11/2023)

- **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 using the Google Colab environment, and average accuracy achieved by the system is up to 93%
- Used Streamlit and Google Colab localtunnel API to deploy the model
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/BrainTumorDetection_Using_CNN

Traffic Monitoring System (08/2023 - 10/2023)

- **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. 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%
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/Traffic-Monitoring-System

E-Commerce Website (03/2023 - 05/2023)

- **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
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/E-Commerce