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

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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
- 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%. Deployed the model using Streamlit and Google Colab Local Tunnel API, leveraging Streamlit's intuitive framework for rapid development and streamlined deployment

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, DevOps, Machine Learning, Deep Learning, Artificial Intelligence, Cyber Security

Programming Languages
C, Python, Java

Web Development and Full-Stack Development
HTML, CSS, JavaScript, Bootstrap, Tailwind CSS, jQuery, React.js, PHP, Node.js, APIs, Django, Spring Boot, Flask, FastAPI

Python Data Analysis, ML, and Image-Processing Libraries
Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Streamlit, OpenCV, Pillow, Tkinter, SciPy

DevOps
Git, GitHub, Containerization, Docker, Kubernetes, CI/CD, Jenkins, Maven, Terraform, Ansible, Selenium, JUnit

Database Management
MySQL, MongoDB

Tools
MS Visual Studio Code, Eclipse IDE, XAMPP, Figma (UI/UX), Google Colab, Oracle VM VirtualBox, Microsoft Azure, Microsoft Office, AI tools such as Bard and ChatGPT

Operating Systems
Linux, Windows

SOFT SKILLS

Problem-Solving   Communication   Analytical Skills   Teamwork   Adaptability   Work Ethic

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) ⧉

Software Development Virtual Internship program by Exposys Data Labs, Bengaluru, Karnataka (2023) ⧉