

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



SOFT SKILLS



PERSONAL PROJECTS

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 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

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), Database Management Systems (DBMS), Software Engineering, Object-Oriented Programming (OOP), Operating Systems (OS), 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

INTERNSHIP

— Python Developer Intern

CodeSpeedy Technology Private Limited

05/2023 - 08/2023

Kolkata, West Bengal (Remote)

CodeSpeedy Technology Private Limited is an IT company that provides coding solutions along with various IT services like web development, software development.

Achievements/Tasks

- Performed machine learning and data analysis tasks using Python and its libraries such as NumPy, Pandas, Matplotlib, Seaborn, and Scikit-Learn
- Contributed source codes/projects using Python and its libraries on [Codders Packet](#), an online platform of source code directory for projects, demonstrating strong Python development skills and the ability to seamlessly integrate Python libraries to solve diverse programming tasks

INDUSTRIAL TRAINING

Full-Stack Web Development (12/2022 - 05/2023)

Ardent Computech Pvt. Ltd., Kolkata, West Bengal

CERTIFICATES

IBM SKillsBuild Virtual Internship Program on Front-End Development (2023) [↗](#)

Software Development Virtual Internship program by Exposys Data Labs, Bengaluru, Karnataka (2023) [↗](#)

PrepSAT - Hiring Jobathon, a hiring hackathon organized by PrepInsta (2023) [↗](#)

Web Development Fundamentals - IBM SkillsBuild (2023) [↗](#)

Applied Data Science with Python - IBM SkillsBuild (2023) [↗](#)

Python Programming Essentials - Cisco Networking Academy (2023) [↗](#)

INTERESTS

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

LANGUAGES

- English
Professional Working Proficiency
- Hindi
Professional Working Proficiency
- Bengali
Native or Bilingual Proficiency