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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📍 Krishnanagar, India

🖥 debajyotitalukder2001.github.io/portfolio.github.io

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INTERNSHIP

Python Developer Intern
CodeSpeedy Technology Private Limited

05/2023 - 08/2023　　　　*Kolkata, West Bengal, India (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

- Used Python libraries such as Pandas, NumPy, Matplotlib, and seaborn to perform data analysis tasks
- Used Python libraries such as pyotp, qrcode, and cryptography to develop a message security system that ensures a secure environment where messages are sent between users and uses a combination of encryption and authentication
- Created a face recognition system using Python libraries such as OpenCV, Dlib, and face_recognition that can compare two images and efficiently detect if both images have the same face or not
- https://github.com/DebajyotiTalukder2001/My-Repo/tree/master/CodeSpeedy
- Contributed source codes/projects on Coders Packet, an online platform of source code directory for projects
- https://coderspacket.com/contributor/Debajyoti2001
- Achieved Certificate of Excellence
- https://drive.google.com/drive/folders/1Mwxha3BwJU2QO8yf SubXw-B7k4CLjYBp?usp=sharing

Full-Stack Web Developer Intern
Ardent Computech Pvt. Ltd.

12/2022 - 05/2023　　　　*Kolkata, West Bengal, India (Remote)*

Ardent Computech Pvt. Ltd. is a learning and software development company established in 2002. The company started with the mission to bridge the gap between academia and the industry.

Achievements/Tasks

- Utilized the opportunity to accelerate learning in projectbased, collaborative environments
- honed Full-Stack Web Development skills through hands-on learning from industry experts
- Used technologies like HTML, CSS, JavaScript, jQuery, Bootstrap, PHP, and MySQL to develop a complete responsive E-Commerce Website
- https://github.com/DebajyotiTalukder2001/My-Repo/tree/master/ArdentComputech
- Achieved Certificate of Excellence
- https://drive.google.com/drive/folders/1lXBjZHQPy6d72Mwia M5MZpdVR6LHc5zD?usp=sharing

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

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

Class 12th, Science
Krishnagar Collegiate School

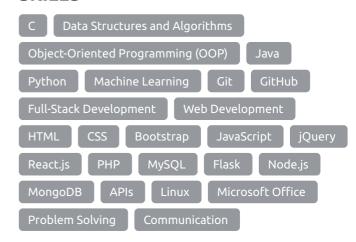*07/2018 - 07/2019*　　　　*West Bengal Board | Percentage: 91.8*

Class 10th
Krishnagar High School

05/2016 - 05/2017　　　　*West Bengal Board | Percentage: 93.8*

SKILLS

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

PERSONAL PROJECTS

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
- Leveraging the previous YOLO (You Only Look Once) versions, the YOLOv8 model is faster and more accurate while providing a unified framework for training models for performing Object Detection, Instance Segmentation, and Image Classification
- YOLOv8 is more efficient than previous versions because it uses a larger feature map and a more efficient convolutional network
- The system was evaluated on the YOLOv8's pretrained model (e.g., yolov8s.pt). All YOLOv8 models for object detection are already pre-trained on the COCO dataset, which is a huge collection of images of 80 different types
- The training method for YOLOv8 is a supervised learning method. This means that the model is trained on a dataset of labeled images
- Used the centroid tracking algorithm to track the vehicles. The centroid tracking algorithm works by tracking the centroids of the vehicles detected by YOLOv8
- Tested on different videos, and average accuracy achieved by the system is up to 95%
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/Traffic-Monitoring-System

Unemployment Rate Analysis (08/2023 - 08/2023)

- **Technologies used:** Python, Python libraries such as Pandas, NumPy, Matplotlib, and seaborn
- Used Python and its libraries to implement data analysis concepts
- Collected the relevant dataset from Kaggle Website
- analyzed the unemployment rate of different states in the country of India
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/My-Repo/tree/master/CodeSpeedy/Unemployment_Analysis

Personal Portfolio Website (07/2023 - 07/2023)

- **Technologies used:** HTML, CSS, JavaScript, jQuery
- Built a complete responsive portfolio website to showcase my skills, work, and credibility
- Included different sections like About, Education, Certifications, Skills, Projects, Contact, etc. in a comprehensive and professional manner
- Used responsive web design principles to ensure the website looks good on all devices
- Hosted the website on GitHub Pages for free and reliable hosting
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/portfolio.github.io
- **Link (GitHub Pages):** https://debajyotitalukder2001.github.io/portfolio.github.io/

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
- Developed both the Front-End and Back-End parts of the website to make it a fully functional Full-Stack E-Commerce website that provides customers with a seamless shopping experience
- The website's features include admin panel, user registration, product listings, shopping cart, checkout, order management, search functionality, reviews and ratings, and customer support
- The website is optimized for mobile devices, making it easy for customers to make purchases on the go
- **GitHub Link:** https://github.com/DebajyotiTalukder2001/E-Commerce
- Deployed the Front-End part of the website on GitHub Pages
- **GitHub Link (Front-End Part):** https://github.com/DebajyotiTalukder2001/nykaa-fashion-clone.github.io
- **Link (GitHub Pages):** https://debajyotitalukder2001.github.io/nykaa-fashion-clone.github.io/

CERTIFICATIONS

CodeKaze - Sep'23: Hackathon - Coding Ninjas (2023)

IBM SkillsBuild Virtual Internship Program (Jointly organized by AICTE, IBM, and Edunet Foundation) (2023)

Software Development Virtual Internship Program - Exposys Data Labs (2023)

Software Engineering Virtual Experience Program - Forage (2023)

Full-Stack Web Development Industrial Internship Program - Ardent Computech Pvt. Ltd. (2023)

Applied Data Science with Python - IBM (2023)

Google Developers Launchpad Certification on Python Programming - Programming Hub (2023)

Google Developers Launchpad Certification on Java Programming - Programming Hub (2023)

Python Programming Essentials - Cisco Networking Academy (2023)

Web Development Fundamentals - IBM (2023)

The Full Stack by Meta - Coursera (2023)

Python for Beginners - Simplilearn (2023)

Getting Started with Full-Stack Java Development - Simplilearn (2023)

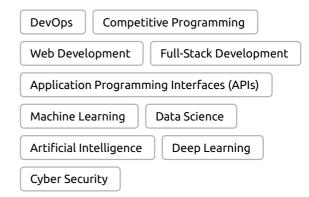Crash Course on Python by Google - Coursera (2023)

PrepSAT Hiring Jobathon - PrepInsta (2023)

Java Programming Fundamentals - Infosys (2022)

Link (Certifications URL):
https://drive.google.com/drive/folders/1MvIDSFNCYQsaRgyUvA-VoU-R4CSnHfu0

INTERESTS

DevOps | Competitive Programming
Web Development | Full-Stack Development
Application Programming Interfaces (APIs)
Machine Learning | Data Science
Artificial Intelligence | Deep Learning
Cyber Security

LANGUAGES

English
Professional Working Proficiency

Hindi
Professional Working Proficiency

Bengali
Native or Bilingual Proficiency