

MD. IMAMUL MURSALIN SUJOY

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PROFILE STATEMENT

Detail-oriented data professional with a strong focus on **data analysis**, **visualization**, and **analytics-driven decision making**. Skilled in **Python (Pandas, NumPy)**, **SQL**, and **Excel**, with hands-on experience in building custom desktop tools and dashboards for insightful reporting. Passionate about leveraging statistical methods and machine learning to extract actionable insights from complex datasets. Additionally experienced in web development using **Django** and **Laravel**, bringing full-stack capabilities to analytical solutions. Committed to continuous learning, research, and innovation to advance technology and impact real-world problems.

EXPERIENCE

Otithee Software Solution Limited

Dec '24 – Present

Jr. Software Engineer

Dhaka

- Performed advanced data analysis using **Python (Pandas, NumPy)** on large datasets, delivering insights that improved internal processes and boosted workflow efficiency by **25%**.
- Developed **6** custom desktop applications with PyQt and Tkinter for enhanced data visualization and exploration, cutting manual processing time by **40%**.
- Designed, built, and maintained **3** dynamic web applications; resolved **90%+** reported issues and launched **20+** new features in collaboration with cross-functional teams.

BRAC University

Feb '23 – Nov '24

Teaching Assistant

Dhaka

- Mentored **200+** students in **Data Structures**, **Algorithms**, and **OOP**.
- Provided 12 hours/week of consultations to address individual learning needs.
- Conducted lab sessions, guided students in building foundational skills, and graded assignments.
- Collaborated with supervisors to deliver courses effectively and maintain high academic standards.

GAOTek Inc.

Jul '24 – Sep '24

Web Developer (Intern)

Remote

- Collaborating with team members to ensure seamless project execution.
- Completed **15+** projects within deadlines using Elementor in WordPress.
- Followed detailed guidelines and documentation to deliver projects with **100%** adherence to client requirements.

TECHNICAL SKILLS

- Programming Languages:** Python, JavaScript, PHP
- AI & ML Tools:** PyTorch, TensorFlow, Open CV, Scikit-learn
- Web Development:** Laravel, Django
- Databases:** MySQL, SQLite
- Other Expertise:** Git, Docker, Data Analysis (NumPy, Pandas, Matplotlib), Web Scraping

EDUCATION

BRAC University

May '2020 – Nov '2024

Bachelor of Science in Computer Science and Engineering, CGPA: 3.85/4.00

Dhaka

Notre Dame College

Jul '2017 – Jun '2019

Higher Secondary School (Science), CGPA: 5.00/5.00

Dhaka

Mitali Bidyapith High School

Jan '2015 – Feb '2017

Secondary School (Science), CGPA: 5.00/5.00

Dhaka

ACHIEVEMENTS

- Awarded **merit-based scholarship** for 10 consecutive semesters at BRAC University for academic excellence.
- Selected for the **Vice Chancellor's List** and **Dean's List** at BRAC University.
- Solved 500+ problems** across various platforms, showcasing strong problem-solving and algorithmic skills.
- 2nd runner-up** in 'CS Spectrum' programming contest, organized by the IEEE Computer Society (2023).
- Achieved **6th position** in the Intra BRAC University Programming Contest (2022).
- Won '**Best Artist**' award in the 'S Talent' competition at Bangladesh Shilpakala Academy (2022).
- Received **100% attendance award** at Notre Dame College, Dhaka (2019).
- Achieved **full tuition waiver** for best academic performance at Mitali Bidyapith High School (2010 - 2016).

THESIS AND RESEARCH

Depth-Aware Object Detection and Region Filtering for Autonomous Vehicle: A Novel Integration of MiDaS and YOLO for Complex Road Scenarios with Irregular Traffic	Oct '24
<ul style="list-style-type: none">The motive was to detect objects with depth using cameras instead of LiDAR on the geography of Bangladesh.A custom filter named DARF (Depth-Aware Region Filtering) was used to get ROI.	
Obstacle Pattern Recognition from a Vehicle's Perspective: Leveraging YOLOv8 for Enhanced Recognition	May '24
<ul style="list-style-type: none">Evaluated different YOLO versions: YOLOv3, YOLOv5, YOLOv8, and Tiny YOLOv3.Applied on a custom dataset consisting of two thousand raw data.	
Comprehensive Analysis of CNN Architectures for the Development of a Custom Convolutional Neural Network Model	Nov '22
<ul style="list-style-type: none">Analyzed different CNN models: AlexNet, ResNet, and InceptionNet.Created a custom model for classification.	

PROJECTS

Donation Management System <i>PHP, CSS, Bootstrap, MySQL</i>	May '22
<ul style="list-style-type: none">Developed a platform for managing donations, including an admin panel for organizations.Enabled organizations to list donation requests and donors to contribute money.	
Space Survival Game <i>OpenGL, GLee, freeGLUT</i>	Oct '23
<ul style="list-style-type: none">Built an arcade game with a simple UI where the player progresses through increasingly difficult levels.Implemented the game using OpenGL and related libraries.	
Heart Disease Prediction <i>SVM, Decision Tree, Random Forest, KNN</i>	Apr '23
<ul style="list-style-type: none">Developed a machine learning-based system to predict heart disease using historical data.Analyzed the results of different models for the given data to perform best prediction.	
Fire Detection System <i>IoT, Embedded Systems</i>	Jun '23
<ul style="list-style-type: none">Designed a hardware prototype using a fire sensor and MQ-02 for fire detection.Implemented HC-05 Bluetooth module for sending hazard notifications to smartphones.	

WORKSHOP AND EXTRACURRICULAR

15th Convocation Volunteer of BRAC University	Mar '23
Volunteer	BRAC University
<ul style="list-style-type: none">Assisted in managing 4889 graduating students and coordinating with a total of 9000+ attendees.Collaborated with staff to ensure smooth interactions with distinguished guests and dignitaries.	
Inovation@work Workshop	Oct '22
Participant	GP Academy
<ul style="list-style-type: none">Completed a specialized workshop on innovative workplace solutions with 50+ participants.Engaged in hands-on activities focused on creativity and problem-solving.	
BRAC University Robotics Club	Jul '20 – Feb '21
Member	BRAC University
<ul style="list-style-type: none">Participated in 3+ robotics projects and competitions.Collaborated with team members to design and build 2 functional robotics models.	

REFERENCES

Md. Khalilur Rhaman Professor Department of Computer Science and Engineering BRAC University, Dhaka Contact: +8801752042223 Email: khalilur@bracu.ac.bd	Najeefa Nikhat Choudhury Senior Lecturer Department of Computer Science and Engineering BRAC University, Dhaka Contact: +8801705741042 Email: najeefa.chy@bracu.ac.bd
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I, Md. Imamul Mursalin Sujoy, hereby declare that all of the above statements are correct and true to the best of my knowledge and belief.