

SHOWRIN RAHMAN

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Portfolio | linkedin.com/in/showrin-rahman | github.com/showrin20

EDUCATION

BRAC University

Bachelor of Science in Computer Science, CGPA: 3.61

Expected Graduation September 2025

Dhaka, Bangladesh

Bard College

Exchange Semester

January 2024 – May 2024

New York, USA

EXPERIENCE

AI Intern

Ontik Technology

July 2025 – Present

Dhaka, Bangladesh

- Developed and optimized intelligent agent workflows using **CrewAI**, automation pipelines with **n8n** and **Selenium**
- Built scalable AI solutions with **Python**, **Docker**, and large language models (LLMs)
- Performed data preprocessing and analysis using **Pandas**, **NumPy**, and **scikit-learn**
- Trained, evaluated, and documented machine learning models, tracking experiments via **MLflow**
- Integrated CI/CD pipelines with **GitHub Actions** and maintained reproducible research in **Jupyter Notebooks**
- Collaborated in deploying production-ready AI systems for real-world applications

Coding Instructor (Part-Time, Remote)

Dreamers Academy

December 2024 – July 2025

Dhaka, Bangladesh

- Taught 100+ students beginner-level Python, JavaScript, HTML, and CSS programming fundamentals

Quality Assurance Analyst Intern (Remote)

Sysonex

June 2024 – December 2024

Dhaka, Bangladesh

- Led 60+ scrum meetings and 10+ development sprints, ensuring effective project coordination
- Reduced bug backlog by 15% through comprehensive test case development and Jira reporting
- Developed 80+ test cases and supported UI/UX improvements using GitHub, React.js, and Next.js

SKILLS

- **Programming Languages:** Python, JavaScript, C
- **Web Technologies:** FastAPI, MERN Stack, Flask, Tailwind CSS, Mantine UI, REST APIs
- **Databases:** MySQL, MongoDB
- **AI/ML Tools:** PyTorch, TensorFlow, LangChain, NumPy, Pandas, scikit-learn, NLTK, spaCy, OpenCV, YOLO, Hugging Face, Roboflow
- **Development Tools:** Git, GitHub, Linux (Ubuntu), Docker, Roboflow, Kaggle, Jira, Confluence

PROJECTS

- **MangoScan:** A Bangladeshi Mango Classifier – Classified 10 Bangladeshi mango varieties using **PyTorch** and **Streamlit** with 95.05% accuracy
- **Token-Level Part-of-Speech Tagging** Using Recurrent Neural Networks – BiLSTM model achieving **97% accuracy** on the POS 1 dataset
- **ThesisConnect** – Full-stack platform for academic collaboration and research management using **React**, **Node.js**, **Express**, and **MongoDB**, enabling blogs, projects, publications, and community features

RESEARCH & PUBLICATIONS

- Multi-Scale Feature Fusion with Adaptive Attention for Robust Image Deblurring (IEEE Eurocon 2025)
- TWIG: Two-Step Image Generation using Segmentation Masks in Diffusion Models (Springer IFIP 2025)
- Riverbank Change Detection in the Jamuna River Basin, Bangladesh (Accepted ACDSA 2025)
- TextDiffuser-RL: Efficient and Robust Text Layout Optimization for High-Fidelity Text-to-Image Synthesis
- Masked Autoencoder and Mamba-Based Self-Supervised Segmentation of SAR Imagery for Riverbank Erosion Detection (Undergraduate Thesis)

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

BRACU Mongol Tori — Senior I

February 2022 – December 2023

Student Organization

Dhaka, Bangladesh

- Built an offline rover mapping system with OSM achieving 20% efficiency gain; utilized OpenCV, Roboflow, Kaggle datasets, Git/GitHub, and developed the frontend for the BRACU Mongol Tori website.

Robotics Club of BRAC University (ROBU) — Secretary

January 2024 – June 2024

Student Organization

Dhaka, Bangladesh

- Served as a panelist in a 40-member Research and Project Management department, managed the flagship Basics of Robotics course, and developed 5+ projects using ROS, OpenCV.

HONORS & ACHIEVEMENTS

- **OSUN Undergraduate Mobility Scholarship:** Awarded full funding (USD \$41,019) for Spring 2024 semester at Bard College, covering tuition, accommodation, living expenses, insurance, and travel
- **2nd Runner-Up:** 3rd Kibo Robot Programming Challenge 2022, organized by Japan Aerospace Exploration Agency (JAXA)
- **Top 5 Finalist:** FOREWARN Disaster Hackathon 2.0 (competed against 84 teams)
- **Top 15 Selection:** Banglalink Womentor Program (selected from 400 applicants)