

CAREER PROFILE

I am a curious, hard-working student with experience in multiple programming languages and development suites. I'm used to working efficiently and managing my time very well.

EDUCATION

MSc in Robotics and Mechatronics Engineering 2023 - present
University of Dhaka, Bangladesh

Courses:

- Computer Vision
- Bio Robotics

BSc in Robotics and Mechatronics Engineering 2018 - 2021
University of Dhaka, Bangladesh

Courses:

- Control System Design and Automation
- Human Robot Interaction
- Artificial Intelligence
- Advanced Machine Learning

Higher School Certificate 2016 - 2017
Bangladesh Air Force Shaheen College, Dhaka, Bangladesh
GPA : 5.00

EXPERIENCES

Research Assistant 2020 - 2022
University of Dhaka

Working under Dr. Shamim Ahmed Dewan on a privately funded project on low-cost endoscopy machine equipped with Artificial Intelligence.

Contact: Dr. Shamim Ahmed Dewan - sadewan@gmail.com

Research Assistant 2020 - 2023
University of Dhaka

Working under Dr. Shamim Ahmed Dewan on a project funded by The Ministry of Science and Technology of The Government of People's Republic of Bangladesh on automation in agriculture aided by machine learning.

Contact: Dr. Shamim Ahmed Dewan - sadewan@gmail.com

Research Assistant 2022 - present
University of Dhaka

Working under Dr. Sejuti Rahman on a project on building a fully autonomous intelligent hospital assistance robot.

Contact: Dr. Sejuti Rahman - sejuti@gmail.com

Pop_Rep! 2021 - present
system76

I am the regional representative for system76, the company behind the operating system Pop_OS! and many other products.

Volunteer 2021 - present
Bangladesh Robot Olympiad

Volunteering as a frontend developer for BDRO (Bangladesh Robot Olympiad) IT team.

PROJECTS

Real-time Floyd-Steinberg Dithering 2018
Implementation of the dithering algorithm for stylized video in real time

A Study on Triangulation 2019
Various implementations of Delaunay Triangulation

Procedural terrain generation 2020
Demonstration of traversable procedural terrain generation using a perlin noise field

Deep Learning-Driven Automated Diagnosis of Neurodegenerative Diseases Using Image Memorability

PUBLICATIONS

- GEMM: A Graph Embedded Model for Memorability Prediction

Tahsin Tariq Banna, Swakshar Deb, Sejuti Rahman and Shafin Rahman
International Joint Conference on Neural Networks, 2023

ACHIEVEMENTS

- Luna Samsuddoha - Janata Bank scholarship 2018 - 2020
For securing 2nd merit position

- Champion - DACSU Science and Technology Olympiad 2020
Robotics & Artificial Intelligence category

- Hacktoberfest Participation 2020

- Research Scholarship, IFIC Bank Trust Fund 2022



Tahsin Tariq Banna

Masters Student (1st year)

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🐦 @tariq_tahsin

LANGUAGES

Bengali (Native)

English (Professional)

Spanish (Limited Proficiency)

SKILLS

🐍 Python

🔧 SolidWorks

🌀 Blender

📄 LaTeX

📱 HTML5 & 📄 CSS

🐧 Linux

📄 Javascript

🦉 Java

📄 Rust

C

INTERESTS

Reading

Animation

Generative Art

Web development

Data Visualization

Game development

Open Source Contributions

Non-photorealistic animation

Ricing Linux Distros

Computer Vision

Computational Neuroscience