



Rahgir Arefin Rafi

Mechatronics Engineering Student
Robotics and Artificial Intelligence Enthusiast

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Work Experience

President

Notre Dame Art Club
December 2020 - June 2022

Activities:

- Organized all the events of this club during the mentioned timeline.

Education

B.Sc in MEchatronics Engineering

Rajshahi University of Engineering and Technology,
Rajshahi
January 2023 - Present

Personal Projects

Cumulonimbus: A Line Follower Robot

A highly optimized Line Follower Robot operating system for Arduino Development Board which contains the following features:

- I/O using 3 buttons and OLED display
- Onboard critical tuning such as PID Parameters, Motor Speed
- On board calibration and saving the information for later use.

Skills

C/C++ Python Problem Solving

PCB Designing ROS

- C/C++: Equally comfortable with Procedural, OOP and Embedded programming.
- Python: Using python regularly for AI competitions in Kaggle.
- PCB Designing: Designed Custom shields, boards, arrays for personal projects.
- Comfortable with Linux Environment and Command Line interface
- Familiar with ROS

Languages

Bangla

Native Proficiency

English

Professional Working Proficiency

Certification

Supervised Machine Learning:
Regression and Classification
Stanford Online

Advanced Learning Algorithm,
Stanford online

Unsupervised Learning,
Recommenders, Reinforcement
Learning
Stanford Online

Machine Learning Specialization
Stanford Online

Organisations

Notre Dame Art Club
June 2019 - June 2023

Robotics Society Ruet
September 2023 - Present

Interests

Automation Robotics

Artificial Intelligence

Embedded Systems

Research