Rahgir Arefin Rafi

Mechatronics Engineering Student
Robotics and Artifical 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 Learninmg, Recommenders, Reinforcement Learning
Stanford Online

Machine Learning Specialization
Stanford Online

Ogranisations

Notre Dame Art Club
June 2019 – June 2023

Robotics Society Ruet
September 2023 – Present

Interests

Automation Robotics

Artificial Intelligence

Embedded Systems

Research