Tausif Ibne Iqbal

Aspiring Engineering Student

Tokyo, Japan | [Email](#) | [Linkedin](#) | [Github](#) | [Web Portfolio](#)

The University of Tokyo Class of 2028, majoring in Environmental Science, wanting to create a meaningful social and economic impact. Passionate about Physics and Computers. Developed a Weather Forecaster Model and Vector Field Visualizer and Quadcopters and RC Cars using Arduino.

Areas of Expertise

Python • Tensorflow • C# • Arduino • Javascript • HTML • CSS • React.js • MATLAB • Pandas • SQL • Machine Learning • Data Science • RStudio Frontend Engineering • Photo Editing • Video Editing • Git • Github • Micorsoft Office

Projects

AI Weather Forecaster

- Built a Weather Forecaster using RNN LSTM Model.
- Trained it on 3 years of Weather data from 2 wards of Tokyo and Dhaka
- Built a Backend Server using Fast API to display the weather on the web

Quadcopter

- An Arduino based Quadcopter

Vector Field Visualizer

- Python Software to visualize vector fields using matplotlib
- Can do it in Cartesian, Cylindrical and Spherical Coordinates

AI Puzzle Solver

- Built an 8 Box Puzzle Game
- Used 8 different search algorithms to automate the game
- Collected the data and did an analysis of their performances

RC Car

- A Remote Controlled Car built using Arduino whose speed can be controlled
- Built another version Accelerometer instead of Remote making it a gesture controlled car

Professional Experience

- (01/2024 – 08/2024) Worked as a Chemistry Teaching Assistant.
- (08/2025 – Present) Working as a English Tutor at [E-Sitter](#)

Education

The University of Tokyo

- Majoring in Environmental Science
- Part of [University of Tokyo Formula Factory](#) Club