






Md. Fazlul Karim


A Passionate Explorer

Electrical Engineering student with a fascination for programming & VLSI. Proficient in MERN Stack, and exploring AI-driven solutions.

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EDUCATION

BS in EEE (Major VLSI)

North South University

01/2020 - 10/2024

HSC

B.N School and College, Chattagram

06/2017 - 04/2019

SSC

B.N School and College, Chattagram

01/2015 - 02/2017

PERSONAL PROJECTS

Smart Roboto to detect Emotion & Improve Mental Health (Thesis) (07/2023 - Present)

- It's a multimodal full stack AI project using ESP8266 & Python Flask Server

Traffic Control System (VLSI)

- [Code](#)

EVM Machine using Verilog HDL (VLSI)

- [Code](#)

Metro Rail Ticket Reservation System [↗](#)

- [Code](#)

More projects [↗](#)

VOLUNTEERING EXPERIENCE

Sub-Executive

IEEE NSU Student Branch Website Development Team

08/2023 - Present

In-charge

IEEE NSU Student Branch

04/2022 - 08/2023

Tasks

- Working as Incharge of Website Development Team for 1.5 years. I Was part of the champion team of ICCIT Website Contest 2022. The responsibility of this position is to build and maintain the IEEE NSU SB website and the team as well.

SKILLS

Cadence

C & Python

Xilinx

Basic Shell

Basic Linux

Arduino

Canva

Verilog HDL

Google Firebase

Basic Python

Basic Kicad

Basic ML

Matlab

Full Stack Web Development

ACHIEVEMENTS

Winning Team in IEEE Student Branch Website Contest

Outstanding Dedication & Creative Excellence Award [↗](#)

2nd position in Quiz Competition [↗](#)

Ambassador of IEEE PES Day [↗](#)

More [↗](#)

ORGANIZATIONS

IEEE (12/2020 - Present)

Member

CERTIFICATES

Programming for Everybody (Getting Started with Python) [↗](#)

Science Fair & Festival [↗](#)

More [↗](#)

LANGUAGES

English

Professional Working Proficiency

Bangla

Native or Bilingual Proficiency

INTERESTS

VLSI

Machine Learning

Robotics