



Sanzidul Islam

ETE Undergraduate • RUET

CONTACT

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LOCATION

Dhaka, Bangladesh

LINKEDIN

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GITHUB

github.com/sanzidd

TECHNICAL SKILLS

Programming

- Python
- C / C++
- JavaScript (Vanilla)
- HTML5 & CSS3

Machine Learning

- scikit-learn
- NumPy & Pandas
- Matplotlib / Seaborn
- Regression Models & EDA

Embedded & IoT

- Arduino / ESP32/8266
- Embedded C
- IoT & MQTT
- FFT & Power QA

Tools & Platforms

- Git & GitHub
- Jupyter Notebook
- VS Code / MATLAB

SOFT SKILLS

- Analytical Thinking
- Problem Solving
- Team Collaboration
- Self-Learning & Adaptability
- Attention to Detail
- Time Management

LANGUAGES

Bengali *Native*

English *Professional*

INTERESTS

- Smart Grid & Power Systems
- AI for Energy Forecasting
- Deep Learning
- IoT & Embedded Systems
- Web Development

Sanzidul Islam (Sanzid)

Electronics & Telecommunication Engineering | Rajshahi University of Engineering & Technology (RUET)

ETE undergraduate at RUET (CGPA 3.35) specializing in Smart Grid Systems, Machine Learning, and IoT. Proficient in Python, Embedded C, and Web Technologies. Passionate about applying data-driven intelligence to real-world energy challenges. Consistent academic achiever with GPA 5.00 in both HSC and SSC.

EDUCATION

B.Sc. in Electronics & Telecommunication Engineering

RUET, Rajshahi | 2023 – Present

CGPA: 3.35 / 4.00

Higher Secondary Certificate (HSC)

Dhaka City College | 2019 – 2021

GPA: 5.00 / 5.00

Secondary School Certificate (SSC)

Children's Home Public School | 2017 – 2019

GPA: 5.00 / 5.00

PROJECTS & EXPERIENCE

Smart Power Grid — Power Quality Analysis & Automated Control

IoT + Embedded Systems Project | 2023 – 2024

- Built IoT intelligent grid for real-time monitoring (Voltage, Current, PF, THD) across a 3-house model.
- Implemented APFC, fault detection, over-voltage protection, and intelligent load isolation.
- Integrated FFT analysis, RTC scheduling, and remote billing reports via Gmail API.
- **Tools:** Arduino, ESP32, Embedded C, FFT, RTC Module, Gmail API, IoT Sensors

Car Accident Risk Prediction — Polynomial Regression

Machine Learning Project | Python | 2024

- Polynomial regression model predicting accident risk using speed, weather, and road data.
- Implemented full ML pipeline: preprocessing, feature engineering, and visualization.

Profit Prediction — Multiple Regression & One-Hot Encoding

Machine Learning Project | Python | 2024

- Multiple linear regression model forecasting profit based on operational spend and geography.
- Performed residual analysis and feature selection to optimize accuracy.

Salary Prediction — Linear Regression | Browser Car Game | Portfolio Website

ML & Web Dev Projects | Python, JavaScript, HTML/CSS | 2023–2024

- **Salary Prediction:** ML pipeline with EDA and linear regression.
- **Car Game:** Interactive HTML5 Canvas game with collision detection.
- **Portfolio:** Responsive site with animations and theme toggle.

CURRENTLY EXPLORING & LEARNING

- Deep Learning & Neural Networks for energy load forecasting.
- Smart Solar Grid Integration and AI-based real-time optimization.

DECLARATION

I hereby declare that all information furnished above is true and correct to the best of my knowledge.

Sanzidul Islam (Sanzid)

Date: _____ Place: Dhaka, Bangladesh