AZAD SHAHRIYAR

Address : Road-Isha Kha Avenue | Sector-6 | House-9 | Uttara, Dhaka-1230
Email : 22-48425-3@student.aiub.edu
Mobile Number : 01521333305

WORK EXPERIENCE

Research Assistant | American International University-Bangladesh (AIUB) **Sept 2024 – Present**

- Assisted in training machine learning models to support research on State of Charge (SOC) estimation methods for electric vehicles.
- Designed infographics and data visualizations to explain behavioral analysis and smart charging infrastructure.

SKILLS

Software Skills
- EasyEDA
- Webots
- AutoCAD Electrical
- Proteus
- Blender

Programming Languages
- C++
- Python

Machine Learning Model
- Linear Regression

EDUCATION

American International University-Bangladesh (AIUB) **Sept 2022 – Sept 2026**

Bachelor of Electrical and Electronic Engineering
CGPA: 3.97

Rajuk Uttara Model College **Apr 2019 – Dec 2021**

Higher Secondary Certificate (HSC), Science
GPA: 5.00

Rajuk Uttara Model College **Jan 2017 – Feb 2019**

Secondary School Certificate (SSC), Science
GPA: 5.00

PUBLICATIONS

Optimizing EV Charging Infrastructure through Behavioral Analysis, Smart Charging, and V2G Integration.

H. Z. Anonto et al., "SOC Estimation in Electric Vehicles: A Comparative Evaluation of Kalman Filter and Coulomb Counting Methods," *TENCON 2025 - 2025 IEEE Region 10 Conference (TENCON)*, Kota Kinabalu, Malaysia, 2025, pp. 963-967, doi: 10.1109/TENCON66050.2025.11375033.

SOC Estimation in Electric Vehicles: A Comparative Evaluation of Kalman Filter and Coulomb Counting Methods.

M. I. Hossain, H. Z. Anonto, M. M. Hossain Emon, A. Nandi, A. Shahriyar and A. Shufian, "Optimizing EV Charging Infrastructure through Behavioral Analysis, Smart Charging, and V2G Integration," *2025 IEEE Texas Power and Energy Conference (TPEC)*, College Station, TX, USA, 2025, pp. 1-6, doi: 10.1109/TPEC63981.2025.10907178.