

Mahin Ibn Alam

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🔗 LinkedIn: [Mahin Alam](#)



EDUCATION

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|--|---|
| • Ahsanullah University of Science and Technology
<i>B.Sc. in EEE ;CGPA:3.293</i> | Dhaka,Bangladesh
July 2021-July 2025 |
| • Saint Joseph Higher Secondary School
<i>Higher Secondary Certificate(HSC);GPA 5.00</i> | Dhaka,Bangladesh
June 2018-April 2020 |
| • Scholars School and College
<i>Secondary School Certificate(HSC);GPA 5.00</i> | Dhaka,Bangladesh
January 2010-February 2018 |

SKILLS SUMMARY

- **Tools:** MS Excel, MS PowerPoint, MS Word, Adobe Illustrator, Adobe Photoshop
- **Software:** AutoCAD, Simulink, Proteus, Cisco Packet Tracer
- **Soft Skills:** People Management, Leadership

EXPERIENCE

Project Intern at Sincos April 2023

- Worked on Dhaka WASA's RTU (Remote Terminal Unit) panel installation project
- Assisted in troubleshooting and implementing electrical panel wiring for industrial applications.

PROJECTS

Solar Power Generation For Home | [Link](#) September 2024

- Designed in Simulink to simulate the generation, conversion, storage, and utilization of solar energy for residential use.

BLDC Motor Controller | [Link](#) March 2025

- Developed a microcontroller-based sensor-less BLDC motor controller for efficient and reliable motor operation

Simple Floor Plan Design Using Autocad | [Link](#) August 2023

- Created a simple floor plan with integrated lights, switches, and sockets using standard electrical symbols in AutoCAD

Excel Project for Data Analysis with AI | [Link](#) June 2025

- Analysed sales data with Excel dashboards to identify trends and insights.

Speed Control of Induction Motor Using Scalar Control (V/f Control) | [Link](#) January 2025

- Simulation of an induction motor speed control system using scalar control

THESIS

- Achieved 99.15% in Brain Tumor Detection from MRI Images using Unified Deep Learning Pipeline
- AI-Driven Smart Energy Management System for Renewable-Powered Microgrids in Urban Areas (Ongoing)

ACHIEVEMENTS

- 1st Runner Up in the Final Year Design Project(FYDP) Poster Exhibition and competition, held at Ahsanullah University of Science and Technology | [Certificate](#)