

# Mohammad Nazmur Rahman Emon

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nazmuremon.github.io/portfolio

## Professional Summary

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I'm a recent Electrical and Electronic Engineering graduate with a strong interest in embedded systems, circuit design, and PCB work. I have hands-on experience with soldering, basic hardware design, and reading datasheets to pick the right components. I enjoy working with others, explaining technical ideas clearly, and keeping detailed documentation of my work. I'm eager to learn more about automation, IoT, and R&D projects, and I'm excited to use my skills to help design and build smart electronic solutions.

## Professional Experience

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- Customer Support Provider** – ElevateMart

November 2023 – January 2025

Resolved customer queries via chat/email; coordinated between departments and maintained high service ratings.
- Lead, Circuit Simulation & PCB Design** – AUST Mars Rover

September 2023 – August 2024

Led hardware and documentation; collaborated with multidisciplinary teams to meet deliverables and present project goals.

## Education

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- B.Sc. in Electrical and Electronic Engineering**, AUST

2020 – 2024

CGPA: 3.007 / 4.000
- Higher Secondary Certificate (HSC)**, Adamjee Cantonment College

2017 – 2019

GPA: 5.00 / 5.00
- Secondary School Certificate (SSC)**, Adamjee Cantonment Public School

2015 – 2017

GPA: 5.00 / 5.00

## Certifications & Awards

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- **Divisional Winner**, Creative Talent Hunt (2014)
- **1st Position**, IT Olympiad, SAGC Science Festival (2017)
- **1st Prize**, Project Display, 6th DCSC National Science Exposition (2018)
- **2nd Position**, Project Display, DRMC 11th National Science Carnival (2018)
- **1st Position**, Line Follower Competition, SAGC 4th Science Festival (2019)

- **Top 5**, IC4IR 2021 Industrial Exhibition (2021)

## Projects

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View full project portfolio: [nazmuremon.github.io/portfolio/projects.html](https://nazmuremon.github.io/portfolio/projects.html)

- **Patient Assist Robot:** Assistive technology for paralyzed individuals.
- **Robotic Hand:** Biomedical prototype for industrial/rehab use.
- **Emergency Calling Device:** Designed for sinking vessels.
- **IoT-based Home Security:** Real-time smart alert system.
- **Pure Sinewave Inverter:** Stable AC power supply.
- **Automatic Power Factor Corrector:** Intelligent energy management.
- **Fire Fighting Robot, Line Follower, Waterborne Bot, RC Quadcopter**

## Leadership & Extracurricular

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**Sub Executive**, AUST Robotics Club

April 2023 – October 2023

**House Captain**, ACC Explore Club

February 2018 – February 2019

**Participant**, Sakura Science Exchange Program (Japan)

April 2016 – May 2016

— Engaged in science and cultural dialogue with students and researchers in Tokyo.

## Technical Skills

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- **Communication:** Client Handling, Public Speaking, Technical Writing
- **Software:** MS Office, Photoshop, After Effects
- **Circuit/Programming:** Proteus, Arduino IDE, MATLAB, C++, Fusion 360

## Academic Thesis

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*Design of Hybrid Power System to Provide Reliable Supply to Rural Areas of Bangladesh*

## References

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**Mr. M. M. Atiqur Rahman**

Assistant Professor, Dept. of EEE, Ahsanullah University of Science and Technology

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