

MD. ASHIQUR RAHMAN

Flat # F-9

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CAREER OBJECTIVE

To be able to work in a highly organized environment and contribute my expertise and knowledge in electrical processes and applications such as designing, testing, troubleshooting and modifying electrical equipments.

AWARDS & ACHIEVEMENTS

“Dean’s Award, Fall 2018-2019”
From AIUB.

“Best Online Content Writer” of
Amader Electronics, Sept. 2017.

SOFTWARE SKILLS

- **Office:** MS word, MS Excel, MS Project, MS PowerPoint.
- **IDE:** Arduino, Visual Studio, Code Blocks.
- **Simulation:** Microwind, Proteus, PSpice, MATLAB.
- **PCB designing:** EagleCAD, Proteus, Altium.
- **Designing:** AutoCAD 2007.
- **Programming language:** C, C++, Python.
- **Media:** Adobe Photoshop, Adobe Premiere Pro, Da Vinci Resolve.

LINGUISTIC SKILLS

Sl.	Language	Proficiency
01	English	High
02	Bangla	High
03	Hindi	Verbal comm. only

TECHNICAL SKILLS

- Extensive experience in inspection of electronic circuits.
- Very familiar with using **Oscilloscope, Multi meter, LCR Meter, Clamp-on meter, Signal generator** and other measuring instruments.
- Familiar with the process of **design and PCB fabrication**.
- Have numerous experiences working with development boards such as **Arduino, Raspberry Pi** plus microcontroller ICs such as **ATmega and PIC**.
- Strong understanding on circuit, functionality and applications.
- Demonstrable knowledge on **networking, switching and routing**.
- Analytical skills to follow logic of electronic circuits and interface with software.

MAJOR UNIVERSITY PROJECTS:

- ✚ Automation of internal combustion engine using electric linear actuator(Final year CAPSTONE project)
- ✚ Arduino based home automation using GSM, BlueTooth and WLAN shield.
- ✚ Audio graded high-power amplifier using IC and MOSFETs.
- ✚ Game controller using 3-axis gyroscope sensor.
- ✚ Water/Liquid level indicator using transistors and Arduino.
- ✚ MCU based over voltage, under voltage and over current protection.
- ✚ Multimeter and energy meter using Arduino.
- ✚ Arduino based fire fighting bot and rescue capability support using Image Processing technology via Raspberry Pi.
- ✚ 4-way traffic light controller using digital logic design scheme.
- ✚ RFID based security system for entrance and attendance.

EXPERTISE ON SENSORS

LiDAR | Gas Sensor-MQ2 |
Ultrasonic | Light | Accelerometer |
Barometer | Moisture | PIR Motion
| Hall Effect | Temperature |
InfraRed | Proximity | Voltage |
Current | Flame | LDR | Load Cell |
Thermocouple | Humidity

CAPABILITIES

- ❖ Ability to work under pressure in an efficient & courteous manner.
- ❖ Effective contributor beating deadline and targets.
- ❖ Excellent communication and presentation skill in English.
- ❖ Great assessment, evaluation skill and team co-operation.
- ❖ Good Leadership skill.
- ❖ Knowledge of Safety Cases, Major Accidents and Hazards.

BASIC COMPUTER SKILLS

OS: Windows, Linux, Android & MacOS.
Good typing speed both in Bangla and English Language.

PERSONAL INFORMATIONS

NID No. 3303420040
Date of Birth: 1st of February 1997

HOBBIES



EDUCATIONS

Degree Title	Concentration	Institute	Result	Year
Bachelor of Science in Electrical & Electronics Engineering (EEE)	Engineering	American International University-Bangladesh	3.03(out of 4.00)	2019
Higher Secondary Certificate (HSC)	Science	Ullapara Science College	3.67(out of 5.00)	2015
Secondary School Certificate (SSC)	Science	Momena Ali Science School	5.00(out of 5.00)	2013

EXTRA-CURRICULAR ACTIVITIES

• Author, Writer and Consultant

➤ Amader Electronics

July, 2016 - December, 2018

- ✓ Consulted online depending on various problems.
- ✓ Written content on electrical and electronics.
- ✓ Attended several live Q&A sessions.



• Speaker and Instructor

➤ I am Digital

March, 2017-August, 2018

- ✓ Performed as speaker on electronics and technology.
- ✓ Instructing students at basic electronics workshop.
- ✓ Designing different projects as per client demand.



• Content Creator

➤ YouTube

January, 2014-Present

- ✓ Electronics and electrical projects.
- ✓ Basic theoretical topics, related to various engineering stuff.
- ✓ Tutorial on engineering software & design suites.



REFERENCES

Dr. Mehedi Bin Mohammad

Position: Researcher (Institute of Renewable Energy)

Institute: University of Dhaka

Location: Nilkhet Road, Dhaka 1000.

Contact number: +8801716304595

E-mail: mehedibinmohammad@gmail.com

Relation: Teacher and Project Instructor

Kawshik Shikder

Position: Lecturer

Institute: AIUB

Location: 408/1, Kuratoli, Dhaka 1229.

Contact number: +8801717823050

E-mail: kawshik.shikder@aiub.edu

Relation: Teacher and Project Instructor

Ashiqur Rahman

Signature (Ashiqur Rahman)