



## Muttakin Rahman

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### ABOUT ME

Enthusiastic and driven Computer Science & Engineering student at Khulna University of Engineering & Technology, with a deep passion for Electric Vehicles (EVs), Drones, IoT, and Automation. Skilled in embedded systems, robotics, and software development, with hands-on experience in designing innovative solutions. Proficient in problem-solving, teamwork, and translating technical concepts into practical applications. Eager to contribute technical expertise and creativity to a forward-thinking team in cutting-edge technology fields.

### EDUCATION AND TRAINING

2024 – CURRENT Khulna, Bangladesh

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE & ENGINEERING** Khulna University of Engineering & Technology

**Website** <https://www.kuet.ac.bd/>

### DIGITAL SKILLS

Programming - C/C++ | Embedded Systems Arduino Raspberry Pi PIC Programmable Logic Controller (PLC) | PID Controllers | Engineering Design Tools: SolidWorks

### PROJECTS

01/2018 – 05/2018

**Smart IoT-Based Home Automation System for Emergency Fire and Smoke Detection**

Smart IoT-Based Home Automation System for Emergency Fire and Smoke Detection (2018 High School Science Fair)

- Built an IoT-driven home automation system with ESP32 for cloud-based appliance control.
- Implemented MQTT protocol for efficient, low-latency communication.
- Created a mobile app interface for real-time monitoring and control.

### HOBBIES AND INTERESTS

#### Club Activities

- Member, SGIPC and HACK, KUET: Collaborated on robotics and IoT projects, fostering technical innovation.
- Hackathons & Competitions: Participated in hackathons and Line Following Robot (LFR) competitions.
- Open-Source Contributor: Contributed to automation and IoT projects on GitHub.

### HONOURS AND AWARDS

20/05/2022

**BdPhO National Round Olympian – Bangladesh Physics Olympiad committee**

I competed in Category C and secured an impressive 4th place finish.

**Link** <https://www.bdpho.org/gallery>

### LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user