Ashraful Hosen

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ID: 9585056063 **Work permit:** Bangladeshi **Gender:** Male **Date of birth:** 04/05/2004 **Place of birth:** Khulna, Bangladesh **Nationality:** Bangladeshi

ABOUT ME

I am an undergraduate student in the Department of Computer Science and Engineering at Khulna University of Engineering & Technology (KUET). Passionate about software development, problem-solving, and emerging technologies, I am eager to apply my technical knowledge and analytical skills to real-world challenges. I have a keen interest in programming, algorithms, and system design, and I am always looking for opportunities to enhance my expertise through projects, research, and collaboration.

WORK EXPERIENCE

Embedded Innovators

City: Khulna | **Country:** Bangladesh

[30/03/2025 – Current] **Embedded Systems Trainee**

EDUCATION AND TRAINING

[2024 – Current] **B.Sc. in Computer Science and Engineering**

Khulna University of Engineering & Technology(KUET)

City: Khulna | **Country:** Bangladesh |

[2022 – 2024] **Higher Secondary Certificate**

Government Syed Hatem Ali College

City: Barishal | **Country:** Bangladesh |

[2020 – 2022] **Secondary School Certificate**

Shahid Abdur Rab Serniyabad Govt. Secondary School

City: Barishal | **Country:** Bangladesh |

SKILLS

Programming Language

C | C++ | Python | Arduino IDE(basic)

PCB Designer Tools

Altium Designer(basic)

PROJECTS

Designing a 22-bit Computer with basic operations

This project is a complete simulation of a custom-built 22-bit computer architecture, designed using Logisim. It includes all core components such as an ALU, control unit, registers, memory, and I/O interfaces. The system supports a custom instruction set and demonstrates the fundamental workings of a CPU from instruction fetch to execution. Ideal for educational purposes and those interested in computer architecture and digital design.

Link: https://github.com/AshrafulHosen/22-bit-Computer.git

COURSES

Electronic Basics

A comprehensive beginner-level electronics tutorial series by GreatScott!, covering fundamental components, signal techniques, measurement tools, and real-world circuit applications—from Ohm's Law to MOSFET switching. Ideal for learners building practical electronics skills.

Links: https://github.com/AshrafulHosen/Course-on-Electronic-basics.git | https://www.youtube.com/watch?v=ncu1Ep2Um2A&list=PLAROrg3NQn7cyu01HpOv5BWo217XWBZu0