Ashraful Hosen

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Work permit: Bangladeshi

Date of birth: 04/05/2004

Place of birth: Khulna, Bangladesh

Nationality: Bangladeshi

Gender: Male

CONTACT

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https://github.com/AshrafulHosen **(Github)**

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 Khulna, Bangladesh

Embedded Systems Trainee
30/03/2025 – Current

EDUCATION AND TRAINING

2023 – CURRENT Khulna, Bangladesh

B.Sc. in Computer Science and Engineering Khulna University of Engineering & Technology(KUET)

2020 – 2021 Barishal, Bangladesh

Higher Secondary Certificate Government Syed Hatem Ali College

2018 – 2019 Barishal, Bangladesh

Secondary School Certificate Shahid Abdur Rab Serniyabad Govt. Secondary School

SKILLS

PROGRAMMING & MARKUP LANGUAGE

C | C++ | Python | HTML

HARDWARE & DESIGN

Altium Designer | Tinkercad | Logisim | Solidworks

TOOLS & SOFTWARE

Arduino IDE | Canva | MS Word | MS Excel | MS Powerpoint

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