

ZUBAYAR AHMED BHUIYAN

Electrical & Computer Engineering Student | Semiconductor • Power • FPGA

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SUMMARY

Electrical and Computer Engineering student at Oregon State University pursuing a focused track in semiconductor devices, power electronics, and FPGA based digital design. Proficient in C++ and experienced with AI agent workflows for engineering productivity. Strong foundation in physics, chemistry and mathematics from GCE A Levels, with hands on exposure to product testing, technical problem solving, and cross functional engineering teams. Seeking an entry level engineering role to contribute to chip design, power systems, or reconfigurable hardware development.

EDUCATION

Oregon State University, Corvallis, OR Expected 2029

B.S. in Electrical and Computer Engineering

- Concentration: Semiconductor devices and VLSI, power electronics, and FPGA / digital systems design.
- Relevant coursework (planned): Digital Logic Design, Circuit Analysis, Electromagnetics, Semiconductor Devices, Computer Architecture, Power Electronics, Engineering Computation.
- Developing proficiency in C++, python and leveraging AI agents (Claude) for code generation, debugging, and engineering analysis.

Scholastica, Dhaka, Bangladesh June 2025

GCE Advanced Levels: Physics, Chemistry, Mathematics

EXPERIENCE

Intern, Fitsomnia Jun 2025 – Sep 2025

- Executed structured QA testing on a production application, identifying and documenting four reproducible defects with clear steps to reproduce.
- Contributed to UI/UX iteration for an AI feature, translating user requirements into design feedback that shipped in subsequent releases.
- Designed and presented a rewards system business model that was approved by leadership for implementation.

Operations & Technical Manager, Big X Apparels May 2025 – Sep 2025

Dhaka, Bangladesh

- Built and maintained the company website (frontend and backend), gaining practical experience with the full development and debugging cycle.
- Coordinated specifications and timelines with international buyers and local suppliers, balancing technical and commercial constraints across time zones.

Intern (Awarded Best Intern), HerWill Jun 2024 – Aug 2024

- Recognized as Best Intern of the cohort for performance and initiative.
- Led a final group project to successful completion, coordinating contributions across a multi person team.
- Established outreach partnerships with five schools to advance women's access to STEM education.

YouTube

<https://www.youtube.com/@Lewvy10/featured>

LANGUAGES

English (fluent) • Bengali (native) • Hindi • Urdu