

Iqbal Samin Prithul

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EDUCATION

Bachelor of Engineering in Information and Communications Engineering **Expected July 2026**

Bangladesh University of Professionals | Dhaka, Bangladesh

Certificate Programs, Electro-Mechanical Technology (1-year) **May 2024**

Fox Valley Technical College | Appleton, WI

- Community College Initiative Scholarship Program | US Dept. of State

High School Certificate **December 2021**

Upashahar College | Jashore, Bangladesh

TECHNICAL SKILLS

- **Engineering:** Embedded Electronics, IoT (Espressif), Circuit and PCB Design (EagleCAD), 3D modeling (Autodesk Inventor, Fusion 360), 3D printing (SLS, SLA, FDM), Product development, PLC Integration (Allen Bradley), Instrumentation and Process Control on PLC
- **Computer Science:** C, Python, Java, HTML, CSS, JavaScript, Adobe Premiere, WordPress, Ladder Logic
- **IT:** MS Office 365, Google Workspace,
- **Communications:** Virtual Meetings, Cross-cultural communication (2-year programs abroad), Project Coordination, Web-content writing
- **Language:** English-fluent, Bengali-fluent, Japanese-intermediate

WORK EXPERIENCE

Abel Manufacturing LLC **February 2024 - May 2024**

Animating 3D models in metal fabrication On-site

- Worked in the workshop alongside shopmen to understand each step of metal fabrication (laser-cutting, assembly, welding, inventory management, electrical wiring)
- Job shadowed the lead engineer to understand crucial aspects of 3D modeling and engineering drawings
- Made 3D animations of Abels square bins and micro bin systems in Autodesk Inventor and Adobe Premiere Pro

Fiverr **March 2022 - July 2023**

Freelance 3D printer firmware programmer Online

- Built custom firmware for a variety of 3D printer configurations and hardware.
- Advertised my gig work and attracted new customers using Facebook and Reddit.
- Ensured maximum customer satisfaction earning over 95 five-star reviews.

Chefee Robotics USA | Austin, TX (Remote) **May 2022-July 2023**

Research and Development Contractor Remote

- Modeled and tested 3D printable parts for a robot.
- Solved mechanical design challenges under short deadlines.
- Built and maintained mainboard firmware with new design iterations using Marlin.
- Designed electrical circuit diagrams using Eagle CAD.

Cyber Teens Foundation | Dhaka, Bangladesh **November 2021-May 2022**

Communications officer (non-paid) Hybrid

- Arranged online meetings and worked on project proposals.
- Coordinated a comic characters project for teenagers and raised government funds to subsidize the project.
- Represented the organization at local events and internationally including the SYNC Digital Wellbeing Summit 2022, Saudi Arabia.

Upashahar College Online Hack Club

March 2020-November 2020

Founder and Leader

Online

- Led an online coding club for high schoolers interested in learning to code and exploring AI.
- Conducted weekly meetings via Zoom and collaboratively created coding projects together including an AI Tic Tac Toe game (Python) and a geometry drawing website (JavaScript).

ACTIVITIES, HONORS, AND COMMUNITY INVOLVEMENT

- National Level Finalist, DECA Business Competition | Austin, TX | April 2024
- CCI Recognition for 92 hours of Volunteering | Appleton, WI | April 2024
- Leader, Team Bangladesh, World Robot Olympiad(3rd place) | Dortmund, Germany | November 2022
- High School Exchange, Asia Kakehashi Program | Shizuoka, Japan | August 2019 - March 2020
- Patrol Leader, Jessore Zilla School Scouts Team | Jessore, Bangladesh | January 2016 - October 2019