

Iqbal Samin Prithul

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EDUCATION

Bachelor of Engineering in Information and Communications Engineering Bangladesh University of Professionals Dhaka, Bangladesh	Expected July 2026
Certificate Programs, Electro-Mechanical Technology (1-year) Fox Valley Technical College Appleton, WI <i>Community College Initiative Scholarship Program US Department of State</i>	May 2024
High School Certificate Upashahar College Jashore, Bangladesh	December 2021
Asia Kakehashi Scholarship Exchange Program Grade 10 Shizuoka Seiko High school Shizuoka, Japan Invited by MEXT, Government of Japan	March 2020

TECHNICAL SKILLS

- **Engineering:** Embedded Electronics, IoT (Espressif), Circuit and PCB Design (KiCAD, EagleCAD), 3D modeling (Autodesk Inventor, Fusion 360), 3D printing (SLS, SLA, FDM), Product development, PLC Integration (Allen Bradley), Instrumentation and Process Control on PLC (certificate program)
- **Programming:** Embedded C/C++ , Python, Java, HTML, CSS, JavaScript, Ladder Logic
- **Communications:** Technical Consultation, Cross-cultural Communication (2-year programs abroad)
- **Language:** English-fluent, Bengali-fluent, Japanese-intermediate

WORK EXPERIENCE

Chefee Robotics USA Austin, TX, USA (Remote) Research and Development Contractor	May 2022-Current Remote
<ul style="list-style-type: none">● Developed 20+ 3D designs for FDM printing for a culinary robot.● Delineated mechanical design challenges under rapid deadlines.● Orchestrated mainboard firmware to optimal compatibility through design iterations.● Utilized Eagle CAD to develop 3+ electronic circuit diagrams and PCB.● Systems engineer representative for Chefee at GITEX Global, Dubai 2024 (invited by Etisalat e&)	
Abel Manufacturing LLC Appleton, WI, USA CCI Internship	February 2024 - May 2024 On-site
<ul style="list-style-type: none">● Apprentice of lead engineer to understand crucial aspects of 3D modeling and engineering drawings● Created six 3D animations for advanced product assembly using Autodesk Inventor and Adobe Premiere Pro● Hands on experience working in metal fabrication for 8 weeks (laser-cutting, assembly, welding, inventory management, electrical wiring)	
Fiverr Firmware Developer and Mechanical Designer	March 2022 - July 2023 Online
<ul style="list-style-type: none">● Developed custom firmware for 80+ different FDM printers and hardware.● Utilized marketing practices to acquire new customers to grow my exposure using Facebook and Reddit● Successfully completed 105+ engineering projects with perfect reviews.	
Cyber Teens Foundation Dhaka, Bangladesh Communications officer (non-paid)	November 2021-May 2022 Hybrid
<ul style="list-style-type: none">● Arranged online meetings for 8 months and worked on project proposals.● Coordinated a comic characters project for teenagers and raised \$10,000+ government funds to subsidize the project.● Local and international representative; including the SYNC Digital Wellbeing Summit 2022, Saudi Arabia.	
Upashahar College Online Hack Club Founder and Leader	March 2020-November 2020 Online
<ul style="list-style-type: none">● Founded and mentored an online coding club for high schoolers to aid in learning to code and exploring AI.● Collaboratively created 12+ interactive programs, including an AI Tic Tac Toe game (Python) and a geometry learning website (JavaScript).	

ACTIVITIES, HONORS, AND COMMUNITY INVOLVEMENT

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