



Prithul Iqbal Samin

Contact

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 Budapest, Hungary

About Me

An aspiring Electrical Engineer with a focus on Embedded Systems and System Integration. Experienced in the full development lifecycle of electronic products—from PCB design and firmware orchestration to mechanical integration

Skills

- **Electrical Engineering:** Circuit and PCB Design (EasyEDA, EagleCAD), Embedded Electronics, IoT Systems (Espressif), Firmware Orchestration, PLC Integration (Allen Bradley), Instrumentation and Process Control (certificate program)
- **Programming:** Embedded C/C++, Python, JavaScript, Ladder Logic
- **Communications:** Technical Consultation, Cross-cultural Communication (2-year study abroad)
- **Language:** English (C1 - IELTS 8.0), Bengali-native, Japanese-intermediate

Education

- BSc in Electrical Engineering (**Current**) Expected 2028
Budapest University of Technology and Economics
Stipendium Hungaricum Scholarship
- Certificate Programs, Electro-Mechanical Technology (1-year)
Fox Valley Technical College | Appleton, WI, USA 2023-2024
US Department of State Scholarship - CCI Program
- High School Certificate (HSC) 2022
Upashahar College | Jashore, Bangladesh

Experience

- Research and Development Contractor
Chefee Robotics | Austin, TX, USA (Remote) May 2022 - Jul 2025
 - **Firmware & Hardware Co-design:** Orchestrated mainboard firmware to ensure optimal compatibility between custom motherboards and mechanical actuators.
 - **Hardware Design:** Developed 3+ electronic circuit diagrams and PCBs, focusing on miniaturization for culinary robotics.
 - **Systems Engineering:** Served as the systems engineer representative at GITEX Global 2024, demonstrating the integration of robotics in smart environments.
 - Developed 20+ 3D designs for FDM printing for a culinary robot.
- Co-Founder and R&D Lead Jan 2023 - Jul 2025
Drishti Technologies Ltd. | Dhaka, Bangladesh
 - Designed a battery-powered IoT product, including 3D-printed case in Autodesk Fusion and custom PCB in EagleCAD (Applied for Patent).
 - Beta-tested the product with real users and iterated it using rapid prototyping technologies.
- Firmware Developer for 3D Printers
Fiverr Freelancing Platform Mar 2022- Jul 2025
 - Developed custom Marlin and Klipper 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 125+ projects with perfect reviews.
- Engineering Apprenticeship
Abel Manufacturing LLC | Appleton, WI, USA Feb-May, 2024
 - Apprentice to lead engineer - working on crucial aspects of 3D modeling and engineering drawings in industrial setting.
 - Created six 3D animations for advanced product assembly using Autodesk Inventor and Adobe Premiere Pro.
 - Hands on experience working on the floor at a metal fabrication workshop for 8 weeks (laser-cutting, hydraulic press, assembly, welding, inventory management, electrical wiring).

References

Dana Timm

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Fox Valley Technical College

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Assaf Pashut

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