

MD. ADIB HASAN

Electrical & Computer Engineering Student,
Rajshahi University of Engineering & Technology



+880-1976498607 • Narsingdi, Dhaka, Bangladesh • [linkedin.com/in/adibhasan11](https://www.linkedin.com/in/adibhasan11) • iamadib120775@gmail.com

PROFESSIONAL SUMMARY

Software, Web, and Embedded Systems Engineering student with hands-on experience in iOS development, web development, PCB design, IoT, and microcontroller projects. Strong innovation & entrepreneurship background through a 3-month university incubation program, securing 40,000 BDT pre-seed funding, and developing early-stage SaaS solutions. Demonstrated impact through multiple national hackathons and prototype development with measurable technical improvements. Seeking Software, Web, Mobile App, Embedded Systems, or Startup/Innovation Internship roles.

SKILLS

- Programming:** C, C++, Java, Swift, JavaScript
- Mobile Development:** Swift, SwiftUI, iOS SDK
- Web Development:** HTML, CSS, JavaScript, Firebase, Supabase, REST APIs
- Embedded & IoT:** ESP32, Arduino, PID Control, Sensor Fusion, Wireless Communication
- Hardware:** PCB Design (KiCad, EasyEDA)
- Startup & Innovation:** Pitching, Business Model Design, MVP Development, Customer Validation
- Tools:** Git, GitHub, VS Code, Xcode, SQL, Firebase, Supabase, LLMs
- Project Management:** Team Leadership, Agile Development
- Soft Skills:** Leadership, Innovation, Problem-Solving, Team Management

EDUCATION

- Bachelor of Science in Electrical & Computer Engineering** 2023–Present
Rajshahi University of Engineering & Technology (RUET)
 - Current CGPA: 3.70/4.00
 - Relevant Coursework: C Programming, OOP (C++, Java), DSA, Database Management, Analog Electronics, Digital Techniques, Circuit & Systems, Electrical Machines, Numerical Methods, Discrete Mathematics
- HIGHER SECONDARY CERTIFICATE (HSC)** 2022
Abdul Kadir Mollah City College, Narsingdi
 - GPA: 5.00/5.00 | Group: Science
- SECONDARY SCHOOL CERTIFICATE (SSC)** 2020
Abdul Kadir Mollah City College, Narsingdi
 - GPA: 5.00/5.00 | Group: Science

PROJECTS

- NutriMind (Early-Stage Development)** 2025–PRESENT
 - Developing a SaaS-based solution targeting health and fitness of Bangladeshi people.
 - Building MVP architecture using React, NextJS, Supabase, APIs.
- 16-Sensor Line-Following Robot** 2025
 - Designed custom PCB with 16-sensor array, improving line detection resolution 4x.
 - Optimized PID tuning resulting in ~35% more stability and 20% faster tracking.
- Full-Stack Hackathon Web Platforms** 2025–PRESENT
 - Built deployment-ready web apps (HTML, CSS, JS, Supabase) for hackathons.
 - Reduced prototype build time by 30–40% using modular components.
- ESP32 Programmable Micro Drone** 2025
 - Built sensor fusion flight controller achieving hover stabilization for X seconds.
 - Improved command latency by ~18% via ESP32 optimization.
- UniVerse – iOS Student Life Management App** 2025
 - Improved data fetch performance by 25% through Firebase optimization.
 - Implemented academic & productivity features with SwiftUI.

EXPERIENCE

- Team Leader | UIHP Innovation Cohort 5** 2024
 - Led a 4-member team, winning 40,000 BDT pre-seed funding.
 - Delivered a functional prototype 2 weeks ahead of schedule, improving planning efficiency 20%.
- Full Stack Web Developer – National Hackathons** 2024–2025
 - Developed fast-turnaround web prototypes used for competition demos.
 - Increased team prototyping speed by 40%.
- Academic Tutor | Freelance** 2023–Present
 - Taught several students, improving average exam performance by 15–20%

KEY ACHIEVEMENTS

- **Pre-Seed Grant Winner (40,000 BDT):** UIHP Innovation Cohort (Incubation Program)
- **Top 50:** InnovateX Hackathon, BUBT × Programming Hero
- **Top 50:** SOLVIO AI Hackathon, Sheba Platform
- **7th Place:** Research Poster Presentation, RUET
- **Winner:** Logo Design Competition, RUET ECE Club

ACTIVITIES

- **Campus Ambassador:** Televerse 1.0 (CUET) **2025**
- **Attendee:** Multiple entrepreneurship seminars, startup bootcamps & idea competitions **2023-2025**
- **Organizer:** RUET ECE Dept Events **2025**

CERTIFICATIONS

- Agentic AI (DeepLearning.AI), PCB Design (EasyEDA), Intro to Frontend Dev (SimpliLearn),
- Ongoing: iOS Dev Bootcamp

LANGUAGE

- **Bangla:** Native
- **English:** Intermediate
- **Hindi:** Intermediate
- **German:** Beginner