

ADITYA DAS GUPTA

Patiya-4370, Chattogram, Bangladesh. aditya.duengg@bec.edu.bd |
+8801880301030 | LinkedIn ID: [aditya-das-gupta](#) || [adityadipu.github.io](#)
ELECTRICAL & ELECTRONICS ENGINEER

PROFESSIONAL TRAINING

Training on Industrial Technology in Electrical Engineering & Instrumentation
Training Institute for Chemical Industries (TICI), Polash, Narsingdi.
Duration: 2 Weeks (17 May – 29 May 2025)

RESEARCH EXPERIENCE

Undergraduate Research Work September 2024 – August 2025
Barisal Engineering College (BEC)
Thesis title: An Explainable AI Framework for Non-Invasive Blood Glucose Prediction
and Hypoglycemia Detection.
Supervisor: Md. Israil Hossain

PUBLICATIONS

- "A Feature-Optimized Approach for Blood Glucose Forecasting Using Explainable AI (XAI)". International Conference on Multidisciplinary Computer Science, Electrical, Business & Literature (ICMCEL 2025). [Accepted]

ACADEMIC CREDENTIALS

Bachelor of Science in Electrical and Electronic Engineering	
Barisal Engineering College (BEC)	GPA:3.23/4.00
February 2019 – August 2025	(upto 7 th semester)
Status: Completed (Provisional Certificate Available)	
Higher Secondary Certificate (HSC), Science	
Chattogram Cantonment Public College (CCPC)	GPA:4.92/5.00
February 2017 – January 2020	

LANGUAGE PROFICIENCY

- Bangla : Native
- English: Fluent (Professional Working Proficiency)

INTERPERSONAL AND PROFESSIONAL SKILLS

- Organisational Skills: Project management, Team collaboration
- Interpersonal Skills: Effective communication, Leadership
- Additional Skills: Multilingual ability, Academic writing, Presentation delivery

TECHNICAL SKILLS

- Engineering Software: AutoCAD, LTspice, Proteus, Microwind, DSCH, Tanner EDA, LabVIEW, Arduino
- Image & Graphic Design: Adobe Photoshop, Adobe Illustrator, Canva
- Programming & Simulation: MATLAB, Visual Studio, Anaconda, Google Colab
- Programming Languages: Python, C++, or Java
- Video Editing: Adobe Premiere Pro, Adobe After Effects

HONOURS AND AWARDS

- Compensatory Scholarship: Awarded by Barisal Engineering College (BEC) for academic performance.
- Honorary Award: Received from Cambridge School and College in recognition of outstanding SSC examination results.

LEADERSHIP AND EXTRACURRICULAR INVOLVEMENT

- | | |
|--|-------------------------|
| • Editor, Rotaract Club of Chittagong, Karnaphuli | May 2024 – Present |
| • General Secretary, Barisal Engineering College Film & Photography Society | July 2024 – August 2025 |
| • Executive Member, Barisal Engineering College Electronics Club | July 2024 – August 2025 |
| • Executive Member, Barisal Engineering College Sports Club | June 2024 – August 2025 |
| • Executive Member, Barisal Engineering College Research and Innovation Club | May 2024 – August 2025 |
| • Volunteer, COVID-19 Awareness Campaign, Chattogram | |
| • Executive Member, Barisal Engineering College Cultural Club | |

REFERENCES

Sabuj Ahmed

Assistant Professor & Head, Department of EEE
Department of Electrical and Electronic Engineering
Barisal Engineering College
Email: sabujahmed.duengg@bec.edu.bd

Md. Israil Hossain

Lecturer,
Department of Electrical and Electronic Engineering
Barisal Engineering College
Undergraduate Thesis Supervisor
Email: israil.duengg@bec.edu.bd

Md. Liton Rabbani

Principal (Additional Charge)
Associate Professor
Department of Civil Engineering
Barisal Engineering College
Email: liton.duengg@bec.edu.bd