

ADITYA DAS GUPTA

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EDUCATION

B.Sc. in Electrical & Electronic Engineering

Barisal Engineering College (BEC), University of
Dhaka Technology Unit

Feb 2020 – Aug 2025

GPA: 3.23 out of 4.00 (Up to 7th semester)

Higher Secondary Certificate (HSC)

Chattogram Cantonment Public College (CCPC)

Passing Year: 2019

GPA: 4.92 out of 5.00

Secondary School Certificate (SSC)

Begum Gul Chemonara Academy School & College
(BGCA)

Passing Year: 2017

GPA: 5.00 out of 5.00

TECHNICAL SKILLS

Programming: Python, C++, Java

Software: MATLAB, AutoCAD, LTspice, Proteus, Microwind, DSCH, Tanner EDA, LabVIEW, Arduino IDE

Development Tools: Visual Studio, Anaconda, Google Colab

Design Tools: Adobe Photoshop, Adobe Illustrator, Canva, Adobe Premiere Pro, Adobe After Effects

PROFESSIONAL SKILLS

- Project Management
- Team Collaboration
- Effective Communication
- Leadership
- Academic Writing
- Presentation Delivery

LANGUAGES

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

HONOURS & AWARDS

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

PROFESSIONAL SUMMARY

A highly motivated and detail-oriented Electrical and Electronics Engineering graduate with a strong foundation in machine learning and data analysis. Seeking a challenging entry-level position to apply technical skills, research experience, and a collaborative spirit to contribute to innovative engineering projects.

RESEARCH EXPERIENCE

Undergraduate Thesis Researcher

Barisal Engineering College (BEC)

Sep 2024 – Aug 2025

Thesis: An Explainable AI Framework for Non-Invasive Blood Glucose Prediction and Hypoglycemia Detection.

- Developed a feature-optimized machine learning model to forecast blood glucose levels using Explainable AI (XAI) techniques.
- Supervised by Md. Israil Hossain, Lecturer, Dept. of EEE.

PUBLICATION

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

PROFESSIONAL TRAINING

Industrial Technology in Electrical Engineering & Instrumentation

Training Institute for Chemical Industries (TICI),
Narsingdi

May 2025 (2 Weeks)

- Gained hands-on experience with industrial electrical systems, instrumentation, and control processes.

LEADERSHIP & EXTRACURRICULARS

- **Editor**, Rotaract Club of Chittagong, Karnaphuli
May 2024 – Present
 - Managed and edited content for the club's monthly newsletter.
- **General Secretary**, BEC Film & Photography Society
Jul 2024 – Aug 2025
 - Organized and documented society meetings, improving operational efficiency.
- **Executive Member**, BEC Electronics Club
Jul 2024 – Aug 2025
- **Executive Member**, BEC Sports Club
Jun 2024 – Aug 2025
- **Executive Member**, BEC Research and Innovation Club
May 2024 – Aug 2025
- **Executive Member**, BEC Cultural Club