



BIJOY BHOWMICK

UNDERGRADUATE STUDENT, DEDICATED LEARNER

PROFILE

Motivated and detail-oriented Electrical and Electronics Engineering undergraduate at RUET, with strong expertise in circuit design, signal processing, and applied machine learning. Proficient in Python and modern data science and machine learning tools. Possesses excellent analytical and research skills, coupled with proven teamwork and problem-solving abilities. Dedicated to developing innovative, data-driven solutions to complex engineering and real-world challenges.

CONTACT

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- <https://bijoy130.github.io/bijoy-portfolio/>
- RUET, Talaimari, Rajshahi 6204

SKILLS

Programming Languages:

- Python
- MATLAB

Circuit Design & Simulation:

- Microwind 3.0
- EAGLE
- Wondershare EdrawMax

Machine Learning & Deep Learning:

- Data preprocessing, model building, evaluation
- Familiar with CNN, DNN architectures

Tools & Software:

- Arduino (basic projects and sensors integration)
- Microsoft Office (Word, Excel, PowerPoint)

Soft Skills:

- Team collaboration and leadership
- Technical communication and documentation

LANGUAGES

- English (Intermediate)
- Bangla (Fluent)
- Hindi (Basics)

EDUCATION

- B.Sc. in Electrical and Electronic Engineering**
Rajshahi University of Engineering & Technology (RUET), Rajshahi
- Higher Secondary Certificate (HSC)**
Government Science College, Dhaka
Board: Dhaka | Year: 2021 | GPA: 5.00
- Secondary School Certificate (SSC)**
Sristy Academic School, Tangail
Board: Dhaka | Year: 2019 | GPA: 5.00

WORK EXPERIENCE

- IEEE RUET SPS STUDENT BRANCH CHAPTER**
Secretary JULY 2025 - PRESENT
- IEEE RUET STUDENT BRANCH**
Graphic Designer & Executive Committee Member FEB 2024 - PRESENT
- Hult Prize 2023 On-Campus Round**
Semi-Finalist - Team Survey Corps 17 FEB-2023

PROJECTS

- Arduino Based Temperature and Humidity Analysis with DHT11 Sensor*
- Design and Implementation of an Autonomous IR-Guided Line Follower Robot Using Arduino for Intelligent Line Tracking Applications*
- DotDashVoice: Arduino-Powered Morse Code to Voice Translator*