

MD. ANIK CHOWDHURY

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[LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

I am a Computer Science undergraduate at East West University with hands-on research and development experience in AI/ML, NLP, and graph neural networks. Skilled in Python, PyTorch, and deep learning frameworks, with experience building scalable full-stack systems and production-ready intelligent solutions.

EDUCATION

B.Sc. in Computer Science and Engineering, East West University, Dhaka **CGPA: 3.49/4.0**
(2022 – Present)

Higher Secondary Certificate (HSC), BAF Shaheen College Dhaka **GPA: 5.00/5.00**
Group: Science Completed: 2020

Secondary School Certificate (SSC), Devagram Pilot High School **GPA: 5.00/5.00**
Group: Science Completed: 2018

RESEARCH & PUBLICATIONS

1. **Towards Personalized Bangla Book Recommendation: A Multi-Entity Graph Dataset** 2025
Md. Anik Chowdhury et al. [\[Preprint\]](#)
Supervisor: Dr. Nafis Sadeq, East West University

2. **Explainable ML Forecasts of Building-Energy Demand from Weather Signals** 2024
Co-author. Published at *IEEE SmartGridComm 2024* [\[Conference Paper\]](#)
Supervisor: Dr. Mohammad Rifat Ahmmad Rashid, East West University

TECHNICAL PROJECTS

RokomariBG: Bangla Book Recommendation Undergraduate Research, 2025
[\[GitHub\]](#) | *Python, PyTorch, GNNs, NLP*

- Developed the first large-scale dataset for Bangla book recommendations, addressing low-resource language gaps.
- Processed 127K+ books and 209K+ reviews into a heterogeneous knowledge graph with 8 relation types.
- Enables academic research in low-resource NLP, graph-based recommendation, and cross-lingual transfer learning.

Object Detection with SSL & Semi-Supervised Learning Research Project, 2024
[\[GitHub\]](#) | *PyTorch, YOLO, DINO, BYOL*

- Built a fish fry detection system using YOLOv10-v12 backbones for aquaculture health assessment.
- Integrated Self-Supervised Learning (BYOL, DINO) to improve feature representation on unlabeled data.
- Utilized the STAC framework to maximize generalization with limited labeled datasets.

LenDen: Mobile Banking Web Application Full-Stack Development, 2023
[\[GitHub\]](#) | *PHP, MySQL, React.js*

- Developed a secure banking platform with account management, funds transfer, and bill payment.
- Built a PHP/MySQL backend using encrypted communication and session-based authentication.

TECHNICAL SKILLS

Languages: Python, C, C++, Java, JavaScript, HTML/CSS, SQL

Frameworks/Libraries: MERN Stack (MongoDB, Express.js, React.js, Node.js), PyTorch, TensorFlow, scikit-learn, NumPy, Pandas

ML/AI: Deep Learning, GNNs, SSL, NLP, Computer Vision, Recommendation Systems

Developer Tools: Git, GitHub, VS Code, Google Colab, Kaggle, Linux, XAMPP

Databases: MySQL, MongoDB

RELEVANT COURSEWORK

Object-Oriented Programming (Java), Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Database Management Systems, Software Engineering, QA, System Analysis, Computer Architecture, Image Processing, Web Programming.

SEMINARS, CONFERENCES & AWARDS

- **Merit Scholarship** (2022–2025): Maintained a CGPA of 3.50+ for multiple semesters, receiving a four-year tuition fee waiver – East West University.

LANGUAGES

Bangla: Native Speaker **English:** Fluent