

MD Piyal Ahmmed

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EDUCATION

Ahsanullah University of Science and Technology <i>Bachelor of Science in Computer Science and Engineering(CGPA-2.815/4.00)</i>	Dhaka, Bangladesh 2025
Birshreshtha Noor Mohammad Public College <i>Higher Secondary Certificate(GPA-5.00/5.00)</i>	Dhaka, Bangladesh 2019
A.K. High School and Collegel <i>Secondary School Certificate(GPA-5.00/5.00)</i>	Natore, Bangladesh 2017

THESIS PROJECT

- **Gender Bias Mitigation for Bangla Classification Tasks** [\[Link\]](#)
 - Developed **four manually annotated datasets** for sentiment analysis, toxicity detection, hate speech detection, and sarcasm detection in Bangla.
 - Used a **gender-name swapping technique** to detect gender bias in pretrained models.
 - Implemented **joint loss optimization** (cross-entropy + cosine similarity) to mitigate bias in Bangla NLP tasks.
 - Evaluated on **Bangla BERT-based models** and achieved **improved fairness without compromising accuracy**.
 - **Technologies Used:** Python, PyTorch, TensorFlow, NLP, Transformers (BERT).

ACADEMIC PROJECTS

- **Donate Your Blood** — [Link](#)

TECHNICAL SKILLS

Programming Languages: Python, C++
Libraries and Tools: PyTorch, TensorFlow
ML Architectures: CNN,NLP
Database: MySQL
Development Tools: Visual Studio Code
Others: Data Structures, Algorithms, OOP

SOFT SKILLS

- Team Work
- Communication
- Problem Solving