

MD. Tahidul Islam

Undergraduate Researcher, Data Scientist, Competitive Programmer

📍 Pabna Sadar, Pabna 6600, Bangladesh
📞 +880 1715376933 • ✉ billahmasum124@yahoo.com
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Profile Summary

Results-driven Computer Science and Engineering student at Pabna University of Science and Technology with a strong background in **Machine Learning, Deep Learning**, and Computer Vision. Passionate about research and development, with experience in Explainable AI, NLP, cybersecurity, and AI-driven healthcare solutions. Proven track record in competitive programming, achieving **Pupil rank on Codeforces**, and active participation in AI and research conferences. **Skilled in Python, C++, and Java**, with expertise in web development and data analysis. Strong communication, leadership, and problem-solving skills demonstrated through research presentations and organizational involvement.

Education

Pabna University of Science and Technology

B.Sc in Computer Science and Engineering
CGPA: **3.61**(After 6th semester)

Pabna, Bangladesh

2020–Present

Tilna Degree College

Higher Secondary Certificate (H.S.C)
Final Grade: **4.75**

Naogaon, Bangladesh

2017–2019

Tilna M.L Highschool

Secondary School Certificate (S.S.C)
Final Grade: **4.59**

Naogaon, Bangladesh

2012–2017

Technical Skills

Languages: Python, MATLAB, Assembly Language(8085, 8086), C, C++, Java, Visual C++, Prolog

Machine Learning: Supervised, Unsupervised, Reinforcement Learning

Deep Learning: Computer Vision (basic), **CNNs(expert)**, RNNs

NLP: Tokenization, LSTM, GRU, NLTK, SpaCy

Tools: Pandas, Matplotlib, Scikit-learn, PyCaret, Numpy, PyTorch, TensorFlow, OpenCV, Git, LaTeX

Scripting Language: HTML, CSS, Bootstrap, Laravel(Basic)

Operating System: MSDOS, All Windows, Linux

Database: SQL, MySQL

Projects

Diabetes Prediction: Machine learning model for diabetes detection.

GitHub

ANN: Digit Classification

GitHub

Heart Disease Prediction: ML model for heart disease detection.

GitHub

Result Prediction: ML project for academic result prediction.

GitHub

Gold Price Estimation: Predicting gold prices using ML.

GitHub

Registration Form: Student Registration Form using Php-Laravel

GitHub

Notebook (Mobile App): Developed with Android Studio.

Online Book Store (Web App): Built using .NET Core.

Publications

2025: MD. Tahidul Islam, Md Abdur Rahim, Abu Saleh Musa Miah, Md. Imran Hossain, Md. Shafiul Azam "Breast Cancer Detection via Advanced Deep Learning Networks", **UCICS-2025**, (Published)

2025: MD. Tahidul Islam, Md Abdur Rahim, Md Abu Johab, Md Roton Ahmed, Nakib Aman "Deep Learning-Based Classification of Regional Bangla Dialects Using LSTM and GRU", **NCIM-2025**, (Submitted)

2025: Md Abu Johab, MD. Tahidul Islam, Nakib Aman "A Convolutional Neural Network-Based Model for Early Identification of Alzheimer's Disease Using Structural MRI of the Brain", **NCIM-2025**, (Submitted)

2024: MD. Tahidul Islam, Md Abu Johab, Md Roton Ahmed, Nakib Aman "CATBOOST Classifier-Based Sadhu and Cholit Bangla Classification", **GUBJSE**, (Under Review)

2024: MD. Tahidul Islam, Md Abu Johab, Md Roton Ahmed, Nakib Aman "Gold Price Forecasting Using Machine Learning: Insights from Ridge Regression, XGBoost, and LSTM", **Journal of FST**, (Under Review)

Achievements

2023: Runner-up, Intra University Programming Contest, PUST

2023: 2nd Runner-up, Intra University Programming Contest, PUST

2023: 17th Place, Inter University Programming Contest, North Western University

2024: 2nd Place, Inter Department Individual Programming Contest, PUST

2024: ICPC Asia Dhaka Regional Contest Participant (Onsite) (Hosted by DIU)(**University Representer**)

Certifications

2022: International Collegiate Programming Contest

2023: International Collegiate Programming Contest

2023: Intra University Programming Contest

2024: IEEE Programming Contest

2024: IEEE Idea Contest

2024: AI in Auction by Industrial Workshop BD

2024: Global Nuclear Energy Facts and Myths, ASE Rosatom

2025: Industrial Idea Contest

Problem Solving

Codeforces: Solved more than 700 problems. Max rank: Pupil (1243).

Leetcode: Solved more than 180 problems.

Codechef: Solved more than 100 problems.

Atcoder: Solved more than 20 problems.

CSES: Solved more than 30 problems.

LightOJ: Solved more than 30 problems.

Others: Solved more than 20 problems.

Volunteering & Leadership

2022–2024: Executive Member, **Solver Green** at Pabna University of Science and Technology

LinkedIn

2019–Present: Member, **Sapahar Maun Club**

Facebook

2024–Present: Founder, **Kishore Sangha**

Facebook

Joint Secretary: Chachahar Tarun Club

Member: Chachahar Pragati Club

Member: CSE Programming Club at Pabna University of Science and Technology

Facebook

Languages

Bangla: Native

English: B2 (Listening), B1 (Reading), C1 (Writing), A2 (Speaking)

Hobbies and Interests

Football, Badminton, Chess, Cricket, Carrom, Gardening

Referees

1. Dr. Md. Abdur Rahim

Associate Professor & Chairman

Department of Computer Science and Engineering

Pabna University of Science and Technology

Email: rahim@pust.ac.bd

Phone: (+880) 1728548300

2. Nakib Aman

Lecturer

Department of Computer Science and Engineering

Pabna University of Science and Technology

Email: nakib.cse@pust.ac.bd

Phone: (+880) 1762910933