MD. Tahidul Islam

Undergraduate Researcher, Data Scientist, Problem Solver

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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   **Pabna, Bangladesh**
B.Sc in Computer Science and Engineering   *2020–Present*
CGPA: **3.61**(After 6th semester)

Tilna Degree College   **Naogaon, Bangladesh**
Higher Secondary Certificate (H.S.C)   *2017–2019*
Final Grade: **4.75**

Tilna M.L Highschool   **Naogaon, Bangladesh**
Secondary School Certificate (S.S.C)   *2012–2017*
Final Grade: **4.59**

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: **Breast Cancer Detection Using Deep Learning Networks** (Accepted at UCICS)

2025: **Deep Learning-Based Bangla Dialect Classification** (Under Review at NCIM,DUET)

2025: **A Convolutional Neural Network-Based Model for Early Identification of Alzheimer's Disease Using Structural MRI of the Brain** (Under Review at NCIM,DUET)

2024: **CATBOOST Classifier-Based Sadhu and Cholit Bangla Classification** (Submitted at GUBJSE)

2024: **Gold Price Forecasting Using Machine Learning: Insights from Ridge Regression, XGBoost, and LSTM** (Submitted at Journal of FST(Volume 3, Issue 1))

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
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2. Nakib Aman
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