

Mohammad Tofiqul Islam

Computer Science Student - Software Development, Data Analytics & ML Enthusiast

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SUMMARY

Research oriented and goal driven computer science student with a strong focus on building practical and meaningful software systems. Experienced in full-stack web development with proficiency in backend engineering using C#, ASP.NET, RESTful API architecture, and database management, complemented by front-end development using JavaScript, HTML, and CSS. Also skilled in Python-based data analysis and foundational machine learning workflows using libraries such as NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, and TensorFlow. Recognized for reliable execution, clear communication, and the ability to learn independently and rapidly when exploring new tools or concepts.

PROJECTS

Wheel Deal API | C#, ASP.NET, Web API

[Project link](#)

- Developed a vehicle rental API system to streamline booking, cost estimation, and vehicle management processes; designed and implemented RESTful endpoints for customers, vehicles, and rentals with automated business logic; integrated a dynamic pricing model with discounts, vouchers, and date-based validation; improved operational efficiency by enabling seamless data flow between frontend applications and the database.

Uni Companion | C#, ASP.NET

[Project link](#)

- Developed a multi-role digital platform connecting students, flat owners, and recruiters to enhance convenience and efficiency; implemented automated job notifications and schedule-matching features to streamline recruitment and peer collaboration for students.

Islamic AI Chatbot | Python, Telegram Bot API, OpenAI GPT

[Project link](#)

- Developed an AI-powered Islamic assistant on Telegram that answers user queries using references from the Quran and Sahih Hadith collections; integrated the OpenRouter API with GPT models to provide context-aware, reference-backed responses on sensitive religious topics.

Word Game, Tic-Tac-Toe, Tetris | JavaScript, HTML, CSS

[Project link](#)

- Developed a collection of interactive web-based games, including a grid-based word game, Tic Tac Toe, and Tetris. Focusing on logic design and user engagement; implemented turn-based gameplay mechanics, real-time score tracking, and responsive interfaces to ensure a smooth experience across devices.

Real Time Face Concentration Meter | Python, OpenCV, Mediapipe

[Project link](#)

- Developed a real time face concentration detection system using OpenCV and MediaPipe Face Mesh; analyzed facial landmarks to estimate user attention levels; visualized focus intensity dynamically on video frames, enabling potential use in e-learning and productivity monitoring applications.

EDUCATION

American International University-Bangladesh

Bachelor of Science in Computer Science and Engineering

Dhaka, Bangladesh

Sept 2022 – Present

- CGPA: 3.96 Credits Completed: 127

Dhaka City College

Higher Secondary Certificate (HSC)

Dhaka, Bangladesh

2019 – 2021

- GPA: 5.00

Monipur High School and College

Secondary School Certificate (SSC)

Dhaka, Bangladesh

2009 – 2019

- GPA: 5.00

SKILLS

Programming Languages: Python, C, C++, C#, Java, JavaScript, HTML, CSS, SQL, R

Frameworks and Libraries: ASP.NET, FastAPI, TensorFlow, Scikit-learn, NumPy, Matplotlib

Databases: MySQL, SQL Server

Developer Tools: Git, GitHub, VS Code, Visual Studio

Operating Systems: Windows, Linux (Ubuntu), macOS

Soft Skills: Problem Solving, Team Collaboration, Leadership, Time Management, Critical Thinking

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification - Stanford University (Coursera)

Intermediate Machine Learning - Kaggle

Introduction to Deep Learning - Kaggle

Introduction to Data Engineering on Azure - Microsoft

Introduction to .NET Web Development with ASP.NET Core - Microsoft

Cisco IT Essentials: PC Hardware and Software - Cisco Networking Academy

PUBLICATIONS

M. Tofiqul Islam, H. Mahmud Shanto, S. Saha Pranto, Tohedul Islam "Transformer based Framework for Multilevel Bias Identification in Bangladeshi News Media" - Submitted to IEEE Access

M. Tofiqul Islam, H. Mahmud Shanto, S. Saha Pranto, Dr. M. Saef Ullah Miah "Quantifying the Impact of Injuries on Football Player Market Value Drop: A Machine Learning and Explainability Study" - Submitted to IEEE 28th International Conference on Computer and Information Technology (ICCIT 2025)

EXTRACURRICULAR ACTIVITIES

Ambassador (Bangladesh)

International Computer Science Competition

- Represented and promoted the competition, encouraging participation and supporting organizational activities.

General Member

AIUB Research and Development Club

- Contributed to research projects and collaborative initiatives on software development and AI applications.

Vice President

Monipur School and College Science Club

- Led science club activities, organized workshops and competitions to foster scientific curiosity among students.

General Secretary

Dhaka City College Science Club

- Managed club operations, coordinated events, and maintained communication between members and faculty.

Volunteer

We, Not I (Social Welfare Organization)

- Participated in community service projects and initiatives aimed at supporting underprivileged groups.

Volunteer

Shikorer Shodhane (Social Welfare Organization)

- Assisted in organizing relief efforts, educational programs, and community development projects.