

# 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*

- CGPA: 3.96 Credits Completed: 127

### Dhaka City College

*Higher Secondary Certificate (HSC)*

- GPA: 5.00

### Monipur High School and College

*Secondary School Certificate (SSC)*

- GPA: 5.00

Dhaka, Bangladesh

*Sept 2022 – Present*

Dhaka, Bangladesh

*2019 – 2021*

Dhaka, Bangladesh

*2009 – 2019*

## SKILLS

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**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

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**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

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**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

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| <b>Ambassador (Bangladesh)</b>   | International Computer Science Competition      |
| <ul style="list-style-type: none"><li>• Represented and promoted the competition, encouraging participation and supporting organizational activities.</li></ul>    |   |
| <b>General Member</b>  | AIUB Research and Development Club              |
| <ul style="list-style-type: none"><li>• Contributed to research projects and collaborative initiatives on software development and AI applications.</li></ul>      |   |
| <b>Vice President</b>  | Monipur School and College Science Club         |
| <ul style="list-style-type: none"><li>• Led science club activities, organized workshops and competitions to foster scientific curiosity among students.</li></ul> |   |
| <b>General Secretary</b>   | Dhaka City College Science Club                 |
| <ul style="list-style-type: none"><li>• Managed club operations, coordinated events, and maintained communication between members and faculty.</li></ul>           |   |
| <b>Volunteer</b>   | We, Not I (Social Welfare Organization)         |
| <ul style="list-style-type: none"><li>• Participated in community service projects and initiatives aimed at supporting underprivileged groups.</li></ul>           |   |
| <b>Volunteer</b>   | Shikorer Shodhane (Social Welfare Organization) |
| <ul style="list-style-type: none"><li>• Assisted in organizing relief efforts, educational programs, and community development projects.</li></ul>                 |   |