

MD TAMJID HOSSAIN

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Professional Statement:

I am a final-year Computer Science and Engineering student at the American International University–Bangladesh, majoring in Information Systems. I have strong foundations in Machine Learning, Artificial Intelligence, and Data Science, with practical experience in Python, SQL, and related frameworks. Beyond academics, I have hands-on experience in web development and SEO, and I also manage my own website, which reflects my entrepreneurial mindset and technical skills. I am passionate about problem-solving and thrive in both independent and collaborative environments. I strongly believe in the philosophy of “learning by doing,” and I value consistent practice as the key to growth and success.

Education:

American International University-Bangladesh | Kuril, Dhaka, Bangladesh

Bachelor of Science in Computer Science and Engineering

January 2022 – Present

Major: Information Systems | Current CGPA: 3.96 | Expected Graduation: End of 2025

Rajshahi College | Rajshahi, Bangladesh

Higher Secondary School Certificate | GPA: 5.00

June 2018 – October 2020

Skills:

Technical

- Languages: Proficient in Python, PHP, JavaScript, HTML, CSS, C#, C++, Java and frameworks such as React.
- Machine Learning and AI: Knowledge in ML, NLP, and Computer Vision
- Databases and tools: MySQL, Oracle, Git/Github, and Power BI
- Other: UI/UX design concepts | Experience in WordPress and Elementor | Search Engine Optimization (SEO) and content writing skills | MS Office (Excel, PowerPoint, Word) | Canva

Personality Traits

- Problem-solving & analytical thinking
- Collaboration & teamwork
- Time management & responsibility
- Adaptability & quick learning

Experiences:

Website Owner and Content Writer

Writemaniac.com | A Wordpress Website Hosted with Hostinger

March 2022 – Present

- Designing the blog website with WordPress, Elementor, JavaScript, CSS, and WordPress Plugins.
- Writing regular contents for the website and doing Search Engine Optimization.
- Ranked the website in multiple keywords, using Google Analytics and Google Search Console efficiently.

Projects:

E-Healthcare Management with Java, MySQL

Designed the front end (UI/UX) and backend of this responsive software using Java and Java Swing.

PCMartBD – E-commerce Hardware Buy & Repair Platform

Built a multi-role system (Customer, Technician, Employee, Admin) with distinct dashboards and functionalities using HTML, CSS, PHP, and MySQL with a single integrated database.

Medicine Production Database System with MySQL

Designed and implemented a Medicine Production Database System using MySQL, including ER modeling, normalization, and analysis of functional dependencies for efficient data management.

Multimedia Player using C#

Developed a fully functional multimedia player in C# with an intuitive and responsive UI, integrated with MySQL for playlist management.

Shapeshifter with C#, Unity

Developed a 2d top-down view shooting game using C#, and Unity.

Bangla News Article Topic Modelling & Visualization

Web scraped a dataset of Bangla news articles for analysis with NLP techniques (LDA, DTM) to perform topic modelling, extract frequent terms and then visualize.

Hotel Reviews Sentiment Analysis

Applied NLP techniques including tokenization, stop-word removal, stemming on a hotel reviews dataset and then evaluated using a Naïve Bayes classifier to analyze and predict sentiment trends.

Animation and Scene Using C++, OpenGL (GLUT)

Developed a day–night animation and scene of Rajshahi College using C++ and OpenGL (GLUT).

Comparative Analysis of BERT and SciBERT for Scientific Dataset

Performed a comparative analysis of BERT and SciBERT on scientific NLP datasets (e.g., SciERC, BC5CDR), evaluating their effectiveness in domain-specific text understanding and information extraction.

Personal Portfolio Website with WordPress, JavaScript, CSS

Created a visually appealing personal portfolio website utilizing WordPress, JavaScript, CSS, and Elementor showcasing skills and projects effectively. (Link: <https://tamjidhossain.com/>)

Research:

Ongoing Movie Poster Generation from Movie Trailer using GAN.

Developing a novel Generative Adversarial Network (GAN) model to automatically generate movie posters by analyzing key visual and thematic elements from movie trailers.

Ongoing A Comparative Analysis of BERT, RoBERTa, and XLM-RoBERTa for Bengali SMS Multiclass Spam Detection

Conducting research on Bengali SMS spam detection using deep learning, performing a comparative analysis of BERT, RoBERTa, and XLM-RoBERTa for multiclass classification of smish, promotional, and normal messages.

Achievements:

Deans Award for Academic Excellence | American International University-Bangladesh

Awarded for academic excellence across 6 semesters.

Academic Scholarship | American International University-Bangladesh

Awarded merit-based academic scholarship for maintaining excellent academic performance.

References:

Dr. Debajyoti Karmaker

Associate Professor, American International University-Bangladesh.