Israk Hossain Pantho

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I am a self-motivated and fast learner who enjoys exploring and learning new technologies. I'm in my final semester at AIUB and have worked with different programming languages. I'm excited to help a company grow, work with smart people, and keep improving my skills by working together as a team.

PROJECTS

Portfolio Website   **Live**

Portfolio Website for myself. This is responsive. Technologies used:

- **HTML, CSS, JavaScript**

Weather App   Live | View in GitHub

A responsive web application that provides real-time weather updates for any city using the OpenWeatherMap API. Technologies used:

- **HTML, CSS, JavaScript, OpenWeatherMap API**

Mountain View − Computer Graphics Project   Live on Youtube | View in GitHub

Developed a 3D animated nature scene featuring mountains, rivers, boats, clouds, fire, and dynamic weather effects like rain and night transitions. Technologies used:

- **C++, OpenGL, GLUT**

E-learning Platform   View in GitHub

Developed a responsive online learning platform supporting multi-user roles (admin, student, instructor, support staff). Features include user authentication, course enrollment, quizzes, multimedia content, and an integrated library and job board. Technologies used

- **PHP, MySQL, JavaScript, HTML, CSS**

Face Mask Detection System   View in GitHub

Built a real-time face mask detection system using deep learning. The model identifies whether a person is wearing a mask correctly, incorrectly, or not at all through webcam input. Technologies used

- **Python, OpenCV, TensorFlow**

Gun Detection System   View in GitHub

Developed a real-time gun detection system using Python and a Haar Cascade XML classifier. The application accesses the webcam and identifies firearms in live video streams or images, helping simulate a basic surveillance scenario. Technologies used

Python, OpenCV, Haar Cascade Classifier (XML)

Wordly – Word Guessing Game   View in GitHub

A simple Python game where users create an account and guess a 6-letter word within 6 tries. User data and word lists are stored in JSON files. Technologies used

- **Python, JSON**

Tic Tac Toe Game   View in GitHub

A console-based C# game with simple UI where two players take turns to win by forming a line of three symbols. Technologies used

- **C#**

Plagiarism Detection using Python   View in GitHub

Built a Python tool to compare two text files and detect similarity, helping identify potential plagiarism. Technologies used

- **Python**

Vehicle Control and Information Management System   View in GitHub

Prepared a detailed report on a database-driven system designed to verify vehicle and driver information. Covered ER modeling, normalization (up to 3NF), and efficient SQL queries including joins, subqueries, group functions, and views for effective data analysis and reporting. Technologies used

- **Oracle SQL**

Automated Testing for E-learning Platform   View in GitHub

Utilized Selenium to automate web testing, verifying UI functionality and ensuring cross-browser compatibility. Developed test scripts covering critical user flows and validated website responsiveness. Technologies used

- **Selenium, Python**

Automated Testing for Medical Care Center Application View in GitHub

Prepared an industry-standard Software Quality Assurance (SQA) report covering test planning, automation execution, and detailed analysis of quality metrics.

EDUCATION

B. Sc in Computer Science   **January 2021 - May 2025**
American International University - Bangladesh (AIUB)

WORK EXPERIENCE

Owner of an Online Business (2020-2022) :   **View Facebook Group**

- Had a little business during the covid period. Gathered some experience of handling social media, video and image editing, talking to the clients and delivering the products.

AIUB Feni Community (AFC) — *Vice President*   **View Facebook Page**

- Plan and oversee events including sports tournaments, social gatherings, and community parties.

- Manage budgets and financial planning to optimize resource allocation and ensure sustainable operations.

SKILLS

C++ | Python | JavaScript | HTML/CSS | MS SQL | OpenGL | Selenium| TensorFlow | Microsoft Office Suite (Excel, Word, PowerPoint) | Microsoft Google Suite (Sheets, Docs, Slides) | Git | GitHub

HOBBIES

Outside of academics and coding, I enjoy exploring new and emerging technologies to stay updated with the latest trends in the tech world. I'm also passionate about sports, particularly football and badminton, which help me stay active and focused. Additionally, I love traveling and discovering new places, as it allows me to experience different cultures and gain fresh perspectives.