

# Israk Hossain Pantho

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## CAREER SUMMARY

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Computer Science graduate from American International University-Bangladesh (AIUB) with hands-on experience in software development and problem-solving. Proficient in Python, JavaScript, C++, and web technologies including HTML, CSS, and API integration. Demonstrated ability to deliver impactful solutions through projects like a full-featured E-learning platform, a real-time Face Mask Detection system using deep learning, and a dynamic Weather App. Passionate about continuous learning, clean code, and building technology that solves real-world problems. I thrive in collaborative environments and am eager to contribute to innovative, growth-focused teams.

## EDUCATION

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**B. Sc in Computer Science  
Bangladesh (AIUB)**

*January 2021 - May 2025 American International University -  
CGPA: 3.62*

## WORK EXPERIENCE

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**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.

# PROJECTS

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## Portfolio Website

[Live](#)

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

- **HTML, CSS, JavaScript**
- **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**
- **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**

## Chrome Extensions

[View in GitHub](#)

Developed multiple Chrome browser extensions to enhance web productivity and user experience. Key Extensions:

- **Web Focus Tracker** – Tracks user focus on browser tabs to improve productivity awareness.
- **YouTube Ad Blocker** – Automatically blocks ads on YouTube for smoother video playback.

Technologies: JavaScript, HTML, CSS, Chrome Extension APIs, Git

## 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

## **SKILLS**

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

## **REFERENCE**

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**Md. Faruk Abdullah Al Sohan**

**LECTURER, Faculty, DEPARTMENT OF COMPUTER SCIENCE**

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