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**

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**

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.

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**

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**

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.

PROBLEM SOLVING

Competitive Programming & Problem Solving
- **Solved 167+ algorithmic problems** across platforms:
  - **Codeforces**: 50 problems
  - **HackerRank**: 63 problems (Silver badge in Problem Solving, Gold badge in C++)
  - **Beecrowd (URI)**: 54 problems
- **Competitive Programming Achievements**:
  - **AIUB Programming Competition 2024**: Ranked **Top 17** out of 50+ participants.
  - **ICPC Asia Dhaka Regional (Online) 2024**: Solved **2 problems** as part of a **Top 10 team at AIUB**.

SQL & Database Skills
- **HackerRank SQL**: 42 problems solved (Gold badge).

SKILLS

- **Testing Tools & Frameworks:** Selenium WebDriver | Postman
- **Automation & Scripting:** Python | JavaScript
- **Testing Types:** Manual Testing | Automation Testing | Functional Testing | API Testing
- **Bug Tracking & Test Management:** Jira
- **Version Control:** Git | GitHub
- **Databases:** MS SQL | MySQL
- **Programming & Web:** HTML/CSS | JavaScript
- **Other Tools:** Microsoft Office Suite (Excel, Word, PowerPoint) | Google Workspace (Docs, Sheets, Slides)
- **Soft Skills:** Analytical Thinking | Attention to Detail | Communication | Documentation
- **Programming & Web:** HTML/CSS | JavaScript
- **Other Tools:** Microsoft Office Suite (Excel, Word, PowerPoint) | Google Workspace (Docs, Sheets, Slides)
- **Soft Skills:** Analytical Thinking | Attention to Detail | Communication | Documentation

REFERENCE

Mahmudul Hassan Shuvo

Software QA Engineer, Enosis Solutions