Sakib Imamul Hoque

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PERSONAL PROFILE

As a second-year BSc Computer Science student at City University, I am known for my resilience, openness to new ideas, and strong logical thinking skills. Driven by a passion for technology and algorithms, I am dedicated to building a successful career in software engineering. My goal is to become a versatile full-stack developer, capable of tackling complex challenges and delivering innovative solutions.

EDUCATION

September 2023 – Present – **City University** – **BSc (Hons) Computer Science**

Year 1 Modules & Grades:

- Mathematics for Computing   90.4%
- Programming in Java   87%
- Introduction to Algorithms   87.5%
- Databases   78.4%

Current Year 2 Modules:

- Object-oriented Analysis and Design
- Data Structures and Algorithms
- Programming in C++

IT SKILLS

- **Microsoft Office Suite:** Word, PowerPoint, Excel
- **Programming Languages:** Java, Python, JavaScript
- **Web Development:** HTML, CSS, React
- **Database:** MySQL

TRANSFERABLE SKILLS

- **Problem-Solving:** Developed algorithmic solutions for projects and competitions, enhancing efficiency and optimization.
- **Communication:** Presented project solutions at hackathons, working closely with team members and stakeholders.
- **Time Management:** Effectively balanced academic responsibilities with extracurricular project work.
- **Team Collaboration:** Worked cohesively in teams for hackathons and group projects, fostering a collaborative work environment.

PROJECTS

Movie Application (React, TMDb API)

- **Developed** a movie app that fetches data from TMDb API, displaying movie posters, titles, and details.
- **Implemented** key features: search functionality, dark/light mode toggle, and movie sorting.
- **Built** a review system and favourites list with persistence using local storage.
- **Technologies/Skills**: React, Axios, React Router, Local Storage, API integration.

Dental Volunteer Website (STEM Hackathon, Imperial College London)

- **Collaborated** in a team of 6 to create a website connecting volunteer dentists with underserved communities in Pakistan.
- **Developed** core sections like navigation, 'about', 'dentist login', and 'admin login' using HTML and CSS.
- **Implemented** functionality for dentists to input patient information and access records.
- **Technologies/Skills**: HTML, CSS, Web Design, Form Handling, Team Collaboration.

Liquidity Solution (XRPL EVM Sidechain Hackathon)

- **Led** frontend development using HTML and JavaScript for a website demonstrating a liquidity solution on the XRP Ledger EVM Sidechain.
- **Collaborated** with team members responsible for CSS styling and blockchain integration.
- **Presented** the solution via a fully functional demo, highlighting blockchain's real-world applications.
- **Technologies/Skills**: HTML, JavaScript, Blockchain Integration, Web Prototyping, Team Coordination.

Micromouse Competition

- **Assembled** an autonomous robot and contributed towards programming it to navigate a maze efficiently, using algorithms for exploration and pathfinding.
- **Implemented** maze-solving algorithms using C++ and integrated them into the robot's control system.
- **Showcased** innovation and problem-solving skills by achieving successful competition results.
- **Technologies/Skills**: C++, Embedded Systems, Algorithm Development, Robotics, Problem Solving.

EMPLOYMENT HISTORY

Private Tutor – London

September 2023 – February 2024

- Delivered A-level mathematics lessons to Year 13 students and tutored Year 7 students in foundational subjects.
- Tailored teaching methods to suit diverse learning styles.
- Improved academic performance and student confidence.
- **Skills Developed:** Communication, Time Management, Adaptability.

TPXImpact – Placement Participant (London)

August 2022

- Gained hands-on experience in front-end development (HTML, CSS, JavaScript).
- Collaborated on a web development project, contributing to interactive buttons and navigation.
- Participated in a mock interview with the recruiting team, honing professional communication and gained insights into the professional environment.
- **Skills Developed:** Front-end Development, Project Management.

ACTIVITIES/INTERESTS

Societies: computer science society, robotics society
Sports: badminton

REFERENCE – available upon request.