

# 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%

**September 2021 – June 2023 – Brampton Manor Academy, London - A-levels**

Mathematics (A\*), Further Mathematic (A), Physics (A)

**February 2018 – June 2021 – Eastlea Community School, London – GCSEs**

**11 GCSEs** Grades 9 to 7 including English, Maths and Computer Science

## IT SKILLS

- **Microsoft Office Suite:** Word and Presentation (Intermediate), Excel (Beginner)
- **Java programming** (Intermediate)
- **HTML & CSS** (Intermediate)
- **JavaScript** (Beginner)
- **Python** (Beginner)
- **MySQL** (Beginner)

## TRANSFERABLE SKILLS

- **Analytical Skills**– Analysed student progress as well contributed to web development project completion through analytical thinking.
- **Communication**– Effectively communicated project updates and collaborated with a diverse team during the hackathon project at Imperial College London.
- **Planning & Time Management**– Created specialized lesson plans to cover curriculum requirements, demonstrating strong planning and time management abilities.
- **Teamwork**– Collaborated with colleagues on web development projects during the hackathon competition, fostering a collaborative team environment.

## PROJECTS

**Context: Stem Hackathon at Imperial College London**

**Topic:** Development of a website to connect volunteer dentists with communities in need of dental care in Pakistan.

**Description:** Collaborated in a team of 6 to develop a website connecting volunteer dentists with communities in need of dental care in Pakistan. I Used HTML and CSS to structure the website, including the navigation bar, 'about' section, 'dentist login' section, and 'admin login' section. We also Implemented functionality for dentists to input patient information.

**Outcomes:** Contributed to improving dental health by facilitating volunteer dentists' access to communities in need in Pakistan. Developed proficiency in web development and teamwork skills through project collaboration. I contributed to crafting and delivering the project presentation, enhancing communication and presentation skills.

**Context: Engaged in the XRPL EVM Sidechain Hackathon**

**Topic:** Collaborated on developing a solution to address liquidity challenges using the XRP Ledger EVM Sidechain, alongside crafting a demonstration website.

**Description:** Led the website's structure using HTML and integrated functionality with JavaScript, while team members applied CSS for styling and implemented blockchain technology.

**Outcome:** Presented a comprehensive solution showcased through a fully functional website, gaining proficiency in frontend development and contributing to the demonstration of blockchain technology's application in real-world challenges.

**Context: Participation in a Micromouse Competition**

**Topic:** Autonomous Robotic Maze Navigation.

**Description:** Designed, built, and programmed a micromouse robot to autonomously navigate a maze, with the objective of reaching the centre within the shortest possible time.

**Outcome:** Successfully implemented algorithms for maze exploration and pathfinding using C++ programming language. The micromouse demonstrated efficient maze-solving capabilities, accurately reaching the maze's centre while showcasing innovation and problem-solving skills.

**Context: First year Database design and implementation project**

**Topic:** Development of a comprehensive database system.

**Description:** Use Visual Paradigm to create an entity relationship diagram for my Game Development Management project and implement SQL queries for the scenario.

**Outcome:** Created a database system to track staff assignments, game development progress, and licensing interactions. SQL queries were implemented to ensure smooth database functionality.

**EMPLOYMENT HISTORY****September 2023 – February 2024 - London, Private tutor**

- Delivered A-level mathematics lessons to Year 13 students.
- Provided tutoring for Year 7 students in foundational subjects.
- Tailored teaching methods to suit diverse learning styles.
- Demonstrated ability to improve academic performance and boost student confidence.

**Skills Developed**

- **Time Management** – Managed schedules and curriculum planning efficiently, showcasing adept time management skills in session preparation.
- **Communication** – Clearly communicated intricate mathematical ideas in an accessible manner, refining verbal communication skills.
- **Adaptability** – Tailored instructional methods to accommodate various learning styles and adapt to individual student needs.

**August 2022 – August 2022 – TPXImpact, London - Placement participant**

- Acquired an introduction to front-end coding languages HTML, CSS, and JavaScript.
- Collaborated with other participants to complete a website development project, in which I contributed by adding a menu bar and interactable buttons.
- Developed a solid understanding of HTML basics through hands-on experience and project.
- Participated in a mock interview with the recruiting team, honing professional communication and gained insights into the professional environment.

**Skills Developed**

- **Project Management** – Successfully completed web development project within the allotted time frame, demonstrating effective project management and adherence to deadlines.
- **Front-end Development** – Familiarized with prominent front-end coding languages such as HTML and CSS, broadening technical knowledge and skill set.

**REFERENCE** – available upon request.