Rafic Massalkhi

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LinkedIn | Portfolio | GitHub

EDUCATION

Western University   London, ON, 2022- Present
Bachelor of Science in Computer Science

SKILLS

- Python – Intermediate | Java - Intermediate | CSS - Intermediate | HTML – Intermediate | C – Beginner |
- C++ – Beginner | Linux – Beginner | JavaScript – Beginner | SQL – Beginner | Microsoft Office Suite – Beginner |
- Communication | Team management | Project management | Organizational and Multitasking skills
- English – Fluent | Arabic – Fluent | French – Beginner

WORK EXPERIENCE

Arabian Food Corporation, *Business Development Intern*   Jeddah, Saudi Arabia, May 2024 – July 2024
- Conducted in-depth market research to analyze industry trends and customer needs to support strategic decisions
- Attended meetings with the head chef and accountant of AFC, visiting restaurants and hotels to negotiate and close business agreements while gaining insights from their leadership teams.
- Collaborated in a dynamic team environment, assisting with logistical coordination and gaining hands-on experience in customer relationship management and business development.

PROJECTS

Personal Portfolio
- Created a dynamic personal portfolio website using CSS, HTML, and JavaScript, showcasing technical skills.
- Enhanced user experience with interactive features, creating an engaging platform for showcasing projects.
- Maintain and update the website regularly to reflect latest projects and skills.

Interactive Tamagotchi Game
- Developed a virtual pet game in Java with a Java Swing GUI, implementing core gameplay features such as pet management, inventory system, and real-time updates of pet stats (hunger, happiness, health).
- Led the creation of requirements, design, and implementation documentation, ensuring clear project scope, well-organized architecture, and adherence to software engineering principles.
- Executed comprehensive manual and automated testing (JUnit) for unit, integration, and system testing, ensuring robust, bug-free performance and seamless user experience.
- Collaborated effectively with the team, delivering the project on time while maintaining high standards of code quality and documentation throughout the development lifecycle.

Online Casino
- Developed a C++ casino game simulator with Blackjack and Slots, focusing on core gameplay systems like card handling, player stats, and game progression.
- Created detailed project proposals, UML diagrams, and user stories, ensuring a structured development approach.
- Oversaw task management and tracked progress using GitLab, fostering effective teamwork and timely milestones.

Champions League Predictor
- Conducted comprehensive data cleaning and preprocessing using Python, including handling missing values, removing duplicates, and transforming data formats.
- Developed and evaluated machine learning models to predict match outcomes, employing techniques such as logistic regression and decision trees.
- Visualized KPI's and trends using libraries like Matplotlib and Seaborn, facilitating data-driven insights.

VOLUNTEER EXPERIENCE

Habitat for Humanity South Africa, *Volunteer*   Durban South Africa, February 2020
- Built two houses in South Africa with Habitat for Humanity, fostering community development.
- Efficiently managed logistics and resources to ensure timely project completion.
- Led volunteer initiatives, fostering empathy and cultural exchange while making a tangible impact on impoverished families' lives.

NOTABLE COURSEWORK

CS 1027– Computer Science Fundamentals II	DS 1000 – Data Science Concepts
CS 2212 – Introduction to Software Engineering	DS 2000 – Introduction To Data Science
CS 2211 – Software Tools and Systems Programming	CS 2210 – Data Structures and Algorithms
CS 3307 – Object Oriented Design and Analysis	CS 3319 – Databases I