# Ahmad AL Bouchi

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LinkedIn | GitHub |Portfolio

## JUNIOR Data Scientist

### Data Science | Web Developer

- A collaborative and growth-oriented student of Software Engineering Technology Advanced Diploma, with applied academic project experience in full-stack development, database management and testing
- Demonstrated skill in object-oriented programming, user-oriented design, and applying the SDLC
- Holds strong problem-solving and critical thinking skills, used for debugging and troubleshooting
- Skilled at effectively relaying technical solutions to non-technical persons

## TECHNICAL SKILLS

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|---|---|
| **Programming:** | Java, SQL, C#, JavaScript, HTML/CSS, Python |
| **Frameworks & Libraries:** | React, Express, .Net, Angular, Node.js, Django |
| **Operating Systems:** | Linux, Windows |
| **Development Tools:** | Git, Visual Studio Code, Visual Studio Eclipse, IntelliJ, Kotlin |
| **Cloud Computing:** | Google Cloud Platform, Microsoft Azure |
| **Other Tools:** | Jira, Trello, MS Office, Figma, Adobe Creative Suite |

## EDUCATION

**Software Engineering Technology (Co-op) Advanced Diploma**     Jan. 2024 - Present

Centennial College, Toronto, ON

- *Key Courses:* QA & Testing | Java Programming | Web Interface Design | Software Requirements | Database Concepts (SQL) | Client-Side Web Development | Mobile Apps Development | C# Programming | Networking for Software Developers | Software Testing and Quality Assurance
- *Co-Curricular Activities:* Member of the WUSC (World University Service of Canada) local committee at Centennial College, supporting global refugee support programs for young adults

## SELECT ACADEMIC PROJECTS

**Web Design - Weather Website**
- Created a responsive weather app using JavaScript, HTML, and CSS, enabling users to search for locations or use their current location for weather updates
- Incorporated weather APIs to provide real-time data on temperature, temperature of feeling, humidity, wind speed, and air pressure

**Web Design - Trivia Master Game**
- Designed an interactive trivia game using **React.js**, allowing users to select a category and answer five questions related to their chosen topic
- Implemented real-time scoring logic to display users' results out of 5 at the end, providing instant feedback on performance
- Enhanced the user experience with a clean, responsive interface, making the game engaging across both desktop and mobile platforms

**Web Design** - **Book Finder**
- Developed a responsive web application using React.js, enabling users to search for books and explore detailed information about their selections.
- Integrated the **Open Library API** to fetch real-time data on book titles, authors, and other relevant details
- Designed a user-friendly interface with features like search functionality and dynamic content rendering for an engaging browsing experience
- Worked collaboratively, showcasing problem-solving skills to deliver a polished and functional application

**Software Requirements Specification Document** - **Queue.Me Healthcare Management System**
- Conceptualized a healthcare management system designed to streamline appointment booking, medical record access, and virtual consultations
- Designed an architecture following the **MVC** pattern, ensuring modularity and scalability

- Developed detailed software requirements, including user stories, use case diagrams, and class diagrams, to outline system functionalities like AI-driven appointment scheduling, medical records management, and patient feedback
- Created comprehensive UML diagrams, including entity-relationship diagrams (ERD) and state diagrams, to model the system's data and workflows
- Collaborated with a team to analyze user needs, design subsystems, and propose a robust solution tailored to enhance patient satisfaction and operational efficiency in the healthcare domain

**DBMS (SQL/PLSQL) - Home Rental Management System**

- Developed a database-driven application using SQL Developer to manage property, tenant, and lease information for a home rental company
- Created a user interface with JavaFX to allow users to fill applications, view available properties, and manage bookings
- Connected the JavaFX UI with the backend database using JDBC, ensuring smooth interaction between the application and database for real-time data retrieval and updates

## CO-CURRICULAR ENGAGEMENT

**Hackathon Participant | Certificate**                                                    Oct. 2024

WIMTACH Technology Access Centre & Scarborough Retirement Residence, Scarborough, ON

- Collaborated in a team to tackle challenges faced by dementia patients and caregivers through the creation of a technology-based solution in a 3-day hackathon competition
- Focused on Fall Prevention & Pain Detection, developing a user-friendly software application to improve the quality of life for elderly individuals
- Presented the application design to the industry judges and hackathon organization hosts

## OTHER EXPERIENC

**Customer Service | Panels Hub**                                                    Jun.2024 – Dec.2024

- Assisted customers in selecting suitable panels, PVC sheets, and decorative items based on their preferences and needs, ensuring excellent service and satisfaction.
- Demonstrated extensive product knowledge to provide detailed information on materials and applications, enhancing customer decision-making.
- Collaborated with team members to maintain an organized and visually appealing store layout, ensuring a positive shopping experience for customers.

**Cashier and Customer Service Representative| AL Faisal kitchen and Sweet**      Jan.2022 – Aug.2023

- Handled cash and card transactions accurately, ensuring smooth checkout experiences for customers.
- Provided friendly customer service by assisting with product selection, answering inquiries, and promoting popular items.
- Maintained a clean and organized workspace, restocked shelves, and ensured the display of sweets was visually appealing.