IZUM ADNAN

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TECHNICAL SKILLS & QUALIFICATIONS

- **Programming & Tech Proficiency:** Proficient in Python, C, C++, PHP, JavaScript, HTML, CSS, and tools such as R. Skilled in Microsoft Office Suite and virtual meeting platforms like Zoom and Teams.

- **Database Mastery:** Expertise in MySQL and MS Access with experience in intricate data modeling.

- **Cloud Programming:** Hands-on experience with cloud platforms such as Microsoft Azure and AWS, deploying bots, managing virtual environments, and leveraging cloud services for scalable solutions.

- **Automation Expertise:** Proficient in Robotic Process Automation (RPA) tools including Blue Prism, with proven success in designing and implementing end-to-end automations to streamline business processes and improve efficiency.

- **Collaborative Excellence:** Proven ability to collaborate and communicate effectively to complete projects with precision.

- **Relationship Builder:** Expertise in building strong relationships with both internal and external stakeholders.

EDUCATION

Bachelor of Science – Honors Specialization in Computer Science   September 2021 - Present
Western University, London, Ontario

- **Undergraduate Thesis (Ongoing):** Conducting a systematic and scoping review exploring intersections between computer science and physiotherapy under the supervision of Dr. Pavlos Bobos (expected completion: Apr 2026).

- **Relevant courses:** Operating Systems, Object-Oriented Design & Analysis, Computer Organization, Organization of Programming Languages, Analysis of Algorithms, Discrete Structures for Computing, Data Structures & Algorithms, Software Tools & Systems Programming, Computer Organization & Architecture, Applied Logic for Computers, Introduction to Software Engineering, Computer Science Fundamentals II, Information Systems and Design, Computer Science Fundamentals, Theory of Computing

RELEVANT WORK EXPERIENCE

Robotic Process Automation Intern – Celestica   May 2024 - August 2025
Celestica, Toronto, ON
- Led two major RPA projects at Celestica, leveraging Blue Prism, SAP, and Azure Bots to deliver scalable automation solutions. Designed an endpoint validation framework that strengthened reliability of live processes and built a business analytics automation that streamlined on-demand SAP input processing, enhancing efficiency and data accuracy across global operations.

AI Developer – Western AI   September 2022 - March 2023
Western University, London, ON
- Led the creation of an AI-driven bot along others for the esteemed video game "Counterstrike." Leveraged Python to enhance the bot's pathfinding algorithms, ensuring smoother navigation and more strategic gameplay. This innovative integration of Python into game development was a standout, earning accolades during a multi-university conference in March 2023.

Program Development Internship for Deloitte Regional Manager   June 2020 - March 2021
Deloitte, Oman, Muscat
- Designed a digital solution to organize employee timesheets, using HTML, Php, SQL, and CSS to calculate all chargeable hours for employees, relieving the manager of a burdensome manual task and strengthening positive client relations.

Database Management Internship   March 2019 - April 2019
King's College Hospital, Dubai, United Arab Emirates
- Gained immersive insights by shadowing key members. Effectively utilized MS Access for diverse operations, enhancing database efficiency. This hands-on involvement not only honed my technical prowess but also refined my interpersonal skills, enabling seamless communication within a corporate environment.

PROJECTS

Whac-A-Mole Game – Hardware Project   September 2023 – November 2023
- Collaborated on a team project to innovate a Whac-A-Mole game on Raspberry Pi, focusing on the seamless integration of hardware and software. My contribution involved architecting the game logic and interfacing design, ensuring responsive gameplay via an LED matrix, and devising a scoring system alongside variable difficulty settings. This culminated in a user-acclaimed interactive experience, marked by a notable increase in engagement and replay value.

"IveyHacks X Cyder" Hackathon – Program Development.   March 2023
- Addressed tangible challenges for the real-world company, Cyder, by analyzing their current system inefficiencies and user pain points. Pioneered a refined feature list to elevate user experience. Devised a robust user adoption strategy with tailored training, ensuring the platform's seamless implementation and user engagement.

Western Geographic Information System– Web Application   September 2022 – December 2022
- Leveraged Java, JavaFX, Maven, Netbeans, and JSON to craft an application that integrates Western's map database for interior building exploration, complemented by real-time weather updates through seamless OpenWeather API integration, enriching user experience.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

IBM Z XPLORE Fundamentals, Concepts & Advanced. IBM (Ongoing)   2025
AWS Certified Cloud Practicitoner. AWS Certified   2025
Blue Prism Foundations Course. BP3 Global, Training Team   2024
Certificate in Software Engineering with Specialization in Back-End Development. IBM   2023
Honors Certificate - Java and Software Engineering Specialization. Duke University   2022
CS50 - Game Development Certificate. Harvard University Online   2021

ACHIEVEMENTS

Dean's Honors List 2023-2024. Western University, London, ON   2024
Participant - "IveyHacks X Cyder" Hackathon. Western University, London, ON   2023
Honors with Distinction - Java and Software Engineering Specialization. Duke University   2022
Placed 2nd – "Project Valorant". Canadian Undergraduate Conference on Artificial Intelligence   2022