ZAKIR DAWOOD

(647) 674-8389 | zakir.dawood@torontomu.ca | LinkedIn | Portfolio | Toronto, ON, Canada

TECHNICAL SKILLS

Languages/Frameworks: Python, Java, JavaScript, HTML, CSS, SQL, Django, Bootstrap, React, PHP, Elixir, Tailwind, Semantic UI, C, Bash, Pandas, NumPy, Selenium, Visual Basic

Tools: Git, GitHub, Power BI, Firebase, Oracle, Visual Studio, VS Code, SSRS, SSAS, Linux and Unix, Azure, Excel

EXPERIENCE

L3Harris Technologies   **Hamilton, ON, Canada**

Business Intelligence Developer   *May 2022 - Aug 2023*

- Designed, developed and tested data models, visualizations and ETLs using SQL, Power BI, SSRS, SSAS and SSIS, generating savings of $500,000+
- Built and deployed the team's first dataset and dashboard on the Cloud, enabling the Digital Engineering Solutions team to track their Azure DevOps, PLM and SharePoint metrics across different divisions in Canada
- Spearheaded a large project that empowers supervisors across the organization to securely access advanced visualizations involving finance, HR, manufacturing, engineering and QA data
- Analyzed departmental trends and implemented changes accordingly, including developer-driven initiatives and expansion into new departments, resulting in a 40% increase in user requests
- Ensured minimal downtime for 1200+ users by maintaining 1000+ reports, dashboards and servers that extract data from 15+ data sources, including Infor, Snowflake, SharePoint, Excel and on-premise SQL servers

Ontario Learning Development Foundation   **Toronto, ON, Canada**

Tutor/Counsellor   *Jun 2021 - Oct 2021*

- Instructed 50+ students from grades kindergarten to 12 in Mathematics and English
- Collaborated with other instructors to analyze the progress of students and develop strategies to improve our approaches, leading to a 15% increase in attendance

PROJECTS

Recreation Club Application | *HTML, CSS, JavaScript, Python, Django, Semantic UI*

- Developed a dynamic and responsive web application that can serve local recreation clubs by supporting scheduling, accounting, communication, announcement and payment features on a modern interface
- Used Django's authentication libraries to deploy a security architecture with many user security groups and permissions

COVID-19 Tracker - Ryerson University Hacks | *Python, Selenium*

- Led a team of programmers to create a Discord bot that conveys live COVID-19 statistics via automated web browsing
- Formulated web scraping algorithms to filter out unnecessary/unreliable information with 98% accuracy

Flight Reservation System | *Java*

- Developed a flight reservation back-end, enabling users to reserve seats on flights at specified airports. Established algorithms to verify passport eligibility, ensure unique passenger lists and allow priority aircraft boarding
- Utilized object-oriented programming, collection frameworks, interfaces and file-reading. Created extensive exception handling for the 15+ classes and designed unit tests to verify the integrity of the system

NBA Dashboard | *Power BI, DAX, REST API*

- Built a comprehensive dashboard that conveys a wide range of statistics for the NBA, including team information, standings, league leaders and player insights. Implemented AI visualizations and projections
- Strategically used REST APIs, overcoming request limitations by scheduling requests to extract 500K+ records

EDUCATION

Toronto Metropolitan University (Formerly Ryerson University)   **Toronto, ON, Canada**

Bachelor of Science in Computer Science (Co-op)   *Sep 2020 - May 2025*

- **GPA: 4.16/4.33**; Department of Computer Science Award - 2nd Year, Dean's List (2021, 2022)
- Relevant Courses: Software Engineering, Artificial Intelligence, Data Structures, Database Systems, Data Science