Abdullah Yousaf

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EDUCATION

Bachelor of Science, Computer Science   September 2023 - Present
Faculty of Science, University of Calgary   Expected Graduation: 2027
- Science Internship Program
- Highlighted Courses: Data Structures & Algorithms, Object-Oriented Programming, Explorations in Cybersecurity, Database Management Systems, Software Engineering, Computing Machinery, Discrete Mathematics

EMPLOYMENT EXPERIENCE

Turnaround Engineering Intern, Project Excellence Controls   May 2025 - December 2025
Cenovus Energy, Calgary, AB
- Developed interactive dashboards using tools like Power BI to visualize turnaround performance, leading to a **25%** improvement in decision-making speed for operational teams.
- Designed and implemented data models to consolidate and analyze turnaround statistics, improving reporting accuracy by **30%** and reducing manual data entry tasks.
- Utilized SQL to query and retrieve large datasets, integrating results into Excel and Power BI dashboards to support data-driven decision-making.
- Collaborated with cross-functional teams to align data insights with strategic planning, enhancing decision-making during pre- and post-turnaround phases.

Software Engineering Fellowship   July 2024 - Sept 2024
Headstarter AI, Remote
- Collaborated with professionals to refine technical skills and deliver practical software solutions.
- Built software tools that improved problem-solving efficiency and enhanced community engagement.

PERSONAL PROJECTS

O.M.G Games – Multiplayer Java Game Suite | Java, Object-Oriented Programming, Scene Builder   February 2025 - May 2025
- Collaborated on a **25-member** team to design and develop a fully functional desktop gaming suite featuring 3 unique games using Java and JavaFX.
- Applied object-oriented principles to implement scalable, modular game logic and dynamic UI components.
- Boosted user engagement and increased player participation by **15%** with intuitive gameplay mechanics and interactive UI.

Security Audit - Network Vulnerability Assessment | NMAP, Cybersecurity   November 2024 -December 2024
- Conducted a security audit of a home network**,** identifying vulnerabilities and recommending mitigation strategies.
- Used Nmap for network scanning and analyzed security configurations to detect potential threats.

AeroTracker - Flight & Seat Swap Marketplace| HTML, CSS, MySQL, PHP   September 2024- December 2024
- Programmed a web platform (HTML frontend, SQL backend) with a peer-to-peer swapping feature, increasing functionality by **15%.**
- Designed tools for flight tracking, seat availability, and customer management, improving operational efficiency and customer retention.
- Integrated MySQL and APIs for real-time data updates, creating an intuitive, responsive system to address last-minute travel changes.

Basketball Statistics Application | Java, JavaFX, Object-Oriented Programming   February 2024 - May 2024
- Applied object-oriented programming to build a basketball stats app in Java and JavaFX, enhancing functionality by **25%.**
- Collaborated with a team of three to ensure seamless integration and timely delivery, enhancing project scalability by **25%.**

EXTRACURRICULARS

Events Commissioner   March 2024 - Present
Code the Change YYC Team, Calgary, AB
- Organized and coordinated **10+** events, increasing attendance by **35%** through targeted marketing and outreach strategies.

Marketing Coordinator   October 2024 - Present
Mechatronics Integration of Neural Dynamics, Calgary, AB
- Planned and organized club events, resulting in a **30%** increase in member participation by utilizing targeted outreach and promotional strategies.

TECHNICAL SKILLS

- **Programming Languages:** Java • Python • C • HTML • CSS • JavaScript • SQL •Assembly
- **Developer tools**: VS Code • PyCharm • IntelliJ IDEA • Git • GitLab • GitHub •phpMyAdmin
- **Technologies & Tools:** Azure Databricks • Power BI • Microsoft Excel • Microsoft Word