MUHAMMAD ARSALAN SAEED

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EDUCATION

DEC in Computer Science, *Vanier College*   **August 2021 – December 2024**

Bachelor's in Computer Engineering, *Concordia University*   **January 2025 - Present**

Relevant Coursework: Programming I & II, Programming Patterns, Application Development I & II, Internet Programming, eCommerce, Web Services, IoT, Game Programming I & II, Advanced Networks, Ethical Hacking, etc.

WORK EXPERIENCE

Software Developer, *Saadat Development*   **September 2024 – December 2024**

- Contributed to developing MoznaPOS, a React (Vite)-based Point of Sale (POS) system with a Node.js & Express.js backend.
- Help develop and secure API interactions by implementing encryption and decryption
- Maintained the application by resolving bugs, optimizing features, and enhancing security.
- Continuously improved development skills and adapted to contribute more effectively

Partial Technician, *Concordia University*   **2021 – 2023**

- Managed computer lab operations, supervising equipment maintenance.
- Maintained an inventory of lab equipment and ensured replacement when needed.
- Supervised and assigned tasks to individual strengths and expertise.

PROJECTS

nba-api, *Vanier College*   **January 2024 – May 2024**

- Developed a PHP RESTful API with the Slim framework for accessing NBA-related resources via URI.
- Implemented a functional dataset to support and enhance the core features of the NBA-API application.
- Implemented CRUD operations to manage NBA team resources and enhance functionality.
- Created composite resources to find NBA-related shows and teams from different countries.
- Played a major role in debugging resources and created error messages for various error scenarios.
- Aided in debugging and developing solutions for filtering needed resources.

IoT Dashboard, *Vanier College*   **January 2024 – May 2024**

- Developed a smart home system integrating sensors, RFID, and motors, with a Python-based dashboard, Flask backend, and SQLite database for real-time control and customization of home settings.
- Led a development team, assigning tasks to optimize project efficiency.
- Helped efforts in debugging and resolving both existing and new issues, developing solutions that alleviated major project choke points.
- Led the project from inception, establishing a strong foundation and guiding its progress.

Riffat's Cuisine (Discontinued), *Vanier College*   **August 2023 – December 2023**

- Riffat's Cuisine is a PHP web application for placing food orders with user-friendly features, assisted with HTML, CSS, and JavaScript.
- Established a functional database to support the core features of the application.
- Implemented MVC structure, CRUD operations, and a login system for customers and admins.
- Designed and implemented an order system, enabling customers to place orders, with ongoing troubleshooting efforts to enhance its functionality.

Hotel Vanier, *Vanier College*   **November 2022 - December 2022**

- "Hotel Vanier" is a C# GUI-based application designed to assist employees in managing customer information and reservations.
- Developed the user interface, including visuals and layout design for user experience.
- Developed a versatile search system for bills, rooms, employees, and customers.

SKILLS

Programming Languages: C#, Python, Java, JavaScript, TypeScript, HTML/CSS, PHP, SQL, Dart, Linux, Bash/Shell

Development Tools: Apache NetBeans, Visual Studio, VS Code, Git, GitHub, Flutter, Flask, Node.js, React, Unity, XAMPP

Languages: Fluent in English and basic proficiency in French