Daniyal Asim

Brampton, ON | **Phone:** +1 905-598-9476
Email: daniyalasim3@gmail.com | **LinkedIn:** daniyal-asim-7639a01b | **Portfolio:** daniyalasim3.github.io

Technical Summary

Recent graduate of Bachelor of Science in Computer Science. I have experience developing full-stack and database driven applications using Java, Node.js, REST APIs, Servlets, and Web Sockets. Comfortable working on front-end, back-end as well as APIs. Solid foundation in Object-Oriented Programming principles, as well as CI/CD Pipelines. Furthermore, I also have experience containerizing applications using Docker. I am currently seeking a role in which I can grow and learn from experienced professionals, while also contributing in a meaningful way.

Education

York University **2019 – October 2026**
Bachelor of Science in Computer Science *Toronto, ON*
Relevant Coursework: Algorithm Analysis, Machine Learning, Database Systems, Building E-commerce Systems, Data Structures, Object-Oriented Programming, Computer Architecture, User Interfaces, Artificial Intelligence, Software Design

Louise Arbour Secondary School **2015 – 2019**
High School *Brampton, ON*

Technical Skills

Languages: Java, C#, HTML5, CSS, JavaScript, SQL, Python, .NET, Git
Developer Tools: RESTful APIs, VS Code, Express.js, Node.js, Unity, Gradle, Maven, Docker
Technologies/Frameworks: Linux, JUnit, MySQL, J2EE

Projects (Full project demos and source code available at daniyalasim3.github.io)

Auction E-Commerce System | *Java, Servlets, HTML, CSS* **December 2024**
- Engineered a real-time auction platform supporting Forward and Dutch auction models using Java Servlets and WebSockets for live bid synchronization.
- Designed modular backend services with JDBC, Servlets, implementing secure authentication and persistent MySQL storage.
- Developed reusable, responsive UI components and integrated them with backend services via Java Servlets, enhancing real-time user interactions and overall application usability.

Embedded Systems Project: Showcasing PWM on ARM and HCS12 | *C, ARM, HCS12* **November 2025**
- Programmed low-level C code to configure hardware registers and generate precise PWM signals for servo motor control.
- Debugged timing inconsistencies using oscilloscope measurements to ensure accurate duty cycle and frequency output.
- Optimized interrupt handling and register configuration to improve signal stability and hardware performance.

Daniyal's Farm Saga - Unity Video Game | *C#, Unity, ScriptableObjects* **May 2025 - Present**
- Architected a modular 3D survival game in Unity using ScriptableObjects to implement a scalable, data-driven inventory and notification system.
- Developed interactive gameplay systems including item collection, inventory management, and player interaction mechanics using reusable C# scripts.
- Implemented AI-driven navigation systems using Unity NavMesh to enable dynamic NPC movement and pathfinding.

Experience

Habitat for Humanity **November 2024 – Present**
Assistant Store Manager *Brampton, ON*
- Delivered customer service to 50+ customers per shift, maintaining high satisfaction in a fast-paced retail environment. Managed a wide-variety of task including but not limited to: Sales, E-commerce, mercandising, inventory management.
- Revamped store layout in accordance with customer traffic analysis, resulting in increased sales, and positive feedback on the store's appeal.

Extra-Curriculars

Hack The North **September 2024**
- Worked with a group of 5 people to participate in Canada's biggest hackathon, showcasing innovation and teamwork abilities in a competition environment.

York University - Varsity Wrestling Team Member **2019 - 2025**
- Notable Achievements: 2019 ROPSAA / 2024 Western University Invitational Bronze Medalist, 2025 OUA 6th Place