Ejaaj Ahmed

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EDUCATION

York University - Lassonde School of Engineering   **Toronto, Ontario**
Bachelor of Science in Computer Science   May 2026
- Relevant coursework: Computer Security, Web Applications, Object Oriented Programming, Implementing and Testing Application Programming Interfaces (APIs), Database Systems and Stack-Based Programming

PROJECTS

DSA Code Snippets | *JavaScript*   May 2022 – Jun 2022
- VSCode extension that provides the user with **over 40** code snippets and has reached **over 1500 downloads**
- Developed **data structure implementations**, including search trees, sorting algorithms, and cryptographic functions, enabling seamless integration into user code
- Curated an extensive library of algorithms and data structures for the user, featuring advanced functions such as string manipulation and mathematical theorems

Casa Loma Simulation | *Java, SQL, Kotlin*   Sep 2024 – Dec 2024
- Utilized object-oriented principles, such as **inheritance, encapsulation**, and **polymorphism**, to structure interactions between the user and simulation elements
- Integrated **SQL queries** into the program to manage simulation data, ensuring **secure and efficient** data storage and retrieval
- Developed **unit test cases** in **Kotlin** to verify functionality of classes and data structures

YUCircle | *Java, React, SQL*   Sep 2025 – Dec 2025
- Collaborated in a team to design and develop YUCircle, a full-stack social media platform for university students with secure authentication, profile management, posting, and schedule-based user discovery
- Developed a RESTful backend using **Java 21, Spring Boot, and PostgreSQL** with a **React + Tailwind CSS** frontend, following modern full-stack and API-driven design practices.

EXPERIENCE

Programming Instructor   **Toronto, Ontario**
Ignite Tech Play   Sep 2022 – Jan 2024
- Organized and successfully executed a diverse range of **over 10 corporate robotic team-building events** for Canadian companies, including Shopify, TD Bank, and the Gladstone House
- Demonstrated an understanding of Lego Mindstorm robots by utilizing knowledge of **EV3 software** to resolve questions, coding bugs, and robot malfunctions, thus minimizing downtime during events
- Supported the growth and development of **more than 20** teams by serving as a coach in the realms of robotic construction and coding

Administration and IT Intern   **Toronto, Ontario**
Red House Realty, Brokerage   Jun 2022 – Sep 2022
- Facilitated the relocation of the head office to downtown Toronto by leading the installation and setup of essential office infrastructure, including desktop computers, printers, and telephones
- Streamlined **digital database management processes** by converting **over 50** physical documents into an electronic record system

TECHNICAL SKILLS

Programming: Java, Kotlin, JavaScript/HTML/CSS, Python, C, Structured Query Language (SQL), RISC-V
Frameworks & Testing:, Node, Express, JUnit
Command Line: Linux, Bash Scripting

References Available Upon Request