

# 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

### Bengal Travel Agency Service Site | HTML, CSS

July 2023 – Sep 2023

- Designed a **sleek interface for users**, showcasing destinations, contacting options, and business information
- Increased customer engagement **by 250%** in the first 5 months through the implementation of an interactive form system along with optimizing navigation

### 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

## 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