

# Enes Polat

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## EDUCATION

### Toronto Metropolitan University

Toronto, Ontario

*Bachelor of Science in Computer Science, Honours*

## SKILLS

**Languages:** Java, Python, C/C++, PERL, Bash, JavaScript, HTML/CSS

**Frameworks:** React, Django

**Developer Tools:** Git, Visual Studio, Linux/UNIX, PyCharm, IntelliJ IDEA

**Soft Skills:** Teamwork, Communication, Attention to detail, Networking

## Selected PROJECTS

### Database Development for Shoppers Drug Mart / SQL

Nov 2024

- Designed SQL tables for entities including Employees, Products, Customers, Transactions, Inventory, and Receipts
- Created advanced queries for data retrieval, including aggregations, joins, and subqueries, enabling insights into inventory levels, customer points, and sales
- Implemented functional dependencies to maintain database integrity, ensuring accurate relationships among POS system entities
- Developed functionalities for customer registration, product inventory management, order tracking, and payment processing

### RSA Public-Key Encryption and Signature / C, OpenSSL

Nov 2024

- Developed programs to derive RSA (Rivest–Shamir–Adleman) keys, encrypt/decrypt messages, and create/verify digital signatures with public-key cryptography
- Applied RSA principles to authenticate certificates and understand digital signature vulnerabilities with asymmetric encryption

### Secret-Key Encryption / Python, OpenSSL

Oct 2024

- Conducted encryption and decryption tasks using AES (Advanced Encryption Standard) and CBC (Cipher Block Chaining) modes, understanding their implications on security and vulnerability to different attack methods
- Analyzed the effect of padding and IV (Initialization Vector) reuse, showing awareness of encryption best practices and common pitfalls

### Snake Game / Python

May 2024

- Designed an interactive game using Pygame, utilized Object-Oriented Design, Modules and Libraries, Data Structures, Control Flow, File I/O, Error Handling

### Flappy Bird / Java

April 2024

- Developed a Flappy Bird game utilizing Swing for graphical interface and OOP for game logic

### ChatGPT Survey / Python

Sept 2023

- Developed a Python project utilizes the Pandas library for data manipulation and Matplotlib for data visualization, Data Analysis, Text Annotations, File handling

### Audio App Simulator / Java

April 2023

- Designed and implemented a Java-based text-driven music store application, implemented object-oriented programming, such as encapsulation, inheritance, polymorphism and so on

## EXPERIENCE

### Starbucks Part-Time

March 2023 – Nov 2024

#### Barista

- Collaborated with a multidisciplinary team to deliver customer needs
- Managed time effectively and solved unexpected issues during high-demand hours

### Team Leader

May 2010 – Aug 2012

#### TEMA Foundation

- Organized community engagement events, fostering an environment of adaptability among members for reforestation and the protection of natural habitats