

Enes Polat

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EDUCATION

Toronto Metropolitan University
Bachelor of Science in Computer Science, Honours

Toronto, Ontario
Sep 2022- Apr 2025

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 BlockChaining) 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