

Enes Polat

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EDUCATION

Toronto Metropolitan University (formerly Ryerson University)

Toronto, Canada

Bachelor of Science in Computer Science (Hons)

Sep. 2022 – Apr. 2025

- Relevant Coursework: Artificial Intelligence, Database Systems, Data Structures, Algorithms, Machine Learning, Web Systems Development, Software Engineering

EXPERIENCE

Operations Team Member

Mar. 2023 – Nov. 2024

Starbucks

Toronto, ON

- Monitored **key performance indicators** (KPIs), including transaction volume, peak sales periods, and product demand trends, to support data-driven decisions in daily operations, improving operational efficiency by **85%**.
- Analyzed sales data to optimize inventory planning, reducing overstock and waste by **15%**.
- Utilized POS data to identify customer behavior patterns, supporting upselling and product placement strategies.
- Cooperated with cross-functional teams to implement process improvements based on data-driven insights from customer feedback and service patterns, enhancing team performance and reducing service wait time by **20%**.

PROJECTS

Brain Tumor Segmentation | *Python*

Dec. 2024

- Developed a U-Net model for brain tumor segmentation, achieving a Dice Coefficient of **0.91** and F1-score of **0.89**, showcased in deep learning, computer vision, and medical imaging.
- Processed **1,000+** MRI images with techniques such as resizing **256x256**, normalization, and data augmentation to enhance model generalization, achieved a Jaccard Index of **0.87** and precision of **0.90** on test data.
- Automated an end-to-end machine learning pipeline for segmentation mask generation, evaluation, and visualization, using **TensorFlow**, **OpenCV**, and **Scikit-learn** to streamline model deployment and interpretation.

Database for Shoppers Drug Mart | *SQL, Python, Bash*

Nov. 2024

- Designed a Point of Sale (POS) database system for Shoppers Drug Mart using **SQL** and **Python**, with **6+** relational tables to manage transaction recording, inventory updates, and customer loyalty point tracking.
- Implemented advanced queries and normalization techniques (BCNF/3NF) to manage inventory, track employee transactions, and maintain customer profiles, ensuring **100%** data integrity and optimized performance.

ChatGPT Survey | *Python*

Sep. 2023

- Designed and analyzed a 500+ response survey using **Python**, **Pandas**, **Matplotlib**, **Microsoft Excel**, and **Power BI**. Automated CSV data processing, improving efficiency by **30%**, and developed interactive visualizations (bar graphs, pie charts) to present insights on demographics, user preferences, and AI adoption trends.
- Developed modular functions for reusable data visualizations, including bar charts, pie charts, and custom annotations, automating **10+** visuals to enhance readability and decision-making.

Audio App Simulator | *Java*

Apr. 2023

- Developed a text-based music store application in **Java**, enabling users to browse and manage a library of **100+** songs, audiobooks, and podcasts, with features like genre categorization, artist retrieval, and transaction processing. Supported **50+** search and playback operations through a streamlined interface.
- Applied **object-oriented programming** (OOP) principles (encapsulation, inheritance, polymorphism) to design a modular codebase. Utilized HashMaps, Collections, and interfaces to optimize data handling, improving processing efficiency by **40%** and ensuring seamless management of up to **1000+** items in the database.

TECHNICAL SKILLS

Languages: Python, Java, C,C++, SQL, JavaScript, HTML,CSS, Elixir, Haskell, Rust, Bash

Frameworks: React, Node.js, JUnit, FastAPI, Django, Angular, Vue

Developer Tools: Git, Docker, VS Code, Visual Studio, MongoDB, PyCharm, IntelliJ, Eclipse, Linux,UNIX, Emacs