Enes Polat

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EXPERIENCE

Data Analyst / Business Analyst Intern — May. 2025 – Present
Ontario Power Generation — *Pickering, ON*

- Monitored daily power generation metrics for **Pickering Nuclear Generating Station**, ensuring error-free meter readings and delivering monthly generation reports to stakeholders.
- Collected, processed, and analyzed large datasets from **Sequence of Event Record (SOER)** and **Operations Shift Logs** to provide insights supporting fleet-wide strategic initiatives with **100%** data accuracy.
- Developed and maintained interactive **Power BI** dashboards to track performance metrics, identify trends, and enable data-driven decision-making within **Corporate Functional Area Management (CFAM)**.
- Served as **Institute of Nuclear Power Operations (INPO)** Coordinator for August 2025. Ensured timely and accurate submission of operational data on behalf of **Ontario Power Generation (OPG)**.
- Designed **Excel Pivot Tables** across **Pickering and Darlington** stations to detect missing data, improving data entry efficiency and error detection.
- Automated ETL pipelines (data extraction, transformation, and loading processes) for **Nuclear Generation Data (NuGen)** database, which improved data accessibility and reduced manual reporting effort.
- Administered **Electronic Performance Reporting (EPR)** system by managing **Manager/Verifier/Inputter** requests and ensured accurate, timely entry of Pickering operational metrics.
- Conducted compliance-focused data validation and quality checks using **Microsoft Excel** identifying anomalies and ensuring alignment with **nuclear safety standards**.

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 **10-20%**.
- 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 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.

TECHNICAL SKILLS

Languages: Python, Java, C, C++, JavaScript, HTML, CSS, Elixir, Haskell, Rust, Bash
Frameworks: React, Node.js, JUnit, FastAPI, Django, Angular, Vue
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Linux, UNIX, Emacs
Databases and Analytics Tools: SQL, Oracle, MongoDB, Power BI, Microsoft Excel

EDUCATION

Toronto Metropolitan University (formerly Ryerson University) — Toronto, Canada
Bachelor of Science in Computer Science (Hons) — *Sep. 2022 – Apr. 2025*