Doron Ben Chayim (Née Snoyman)

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Passionate Product Analyst with 2+ years of experience in Python, SQL, statistical analysis, and AI solution development. Motivated by the challenge of transforming business processes through AI, I thrive in cross-functional collaboration, aiming to solve complex problems and drive insightful decisions.

Education

University of New South Wales	Sydney (Remote)
Masters (M.Sc.) of Data Science	2023-2025
ITC- Israel Tech Challenge – Data Science Fellows	Israel 2021

- 6-month, full-time training course in collaboration with leading tech companies, which qualifies talented STEM BSc/MSc graduates as professional Data Scientists, with an acceptance rate of 5%.

University of New South Wales	Sydney
Bachelor of Engineering (Civil with Honors)	2015-2019
University of New South Wales	Sydney
Bachelor of Commerce Major in Banking and Finance	2015-2019

Experience

Justt — Israel
Chargeback Analyst — May 2023 – Present

- Engaged in deep **data analysis** to address and solve complex chargeback disputes by scrutinizing transaction data for signs of fraudulent activity, directly contributing to our mission of leveraging AI to enhance critical business processes.
- Utilized advanced **SQL** queries to dissect and extract crucial insights for fraud detection and chargeback analysis, demonstrating a creative approach to solving high-value business problems through data-driven techniques. This work aligns with our emphasis on technical skill, analytical prowess, and the ability to apply AI and data analytics in crafting impactful solutions for business challenges.
- Spearheaded a project to **automate chargeback processing**, developing Python code that enhanced processing efficiency, showcasing my passion and creativity in solving business problems with AI and data techniques.
- **Directed** and mentored an **offshore team** of over 20 professionals, focusing on enhancing collaboration, productivity, and project delivery, which reflects the ability to work with and be part of a team of great minds.
- Fostered **collaborative partnerships** with product managers, data engineers, scientists, and BI specialists to refine chargeback management workflows and dispute resolution, highlighting excellent business and communication skills as well as a deep understanding of AI's impact on business.

Olive Diagnostics — Israel
Data Scientist — Jan 2022- Dec 2022

- Developed **Python code for an ETL** data pipeline in a pioneering **AI-driven project**, demonstrating technical prowess in Python and aligning with our group's focus on innovative AI applications. This initiative directly contributes to transforming critical business processes with state-of-the-art AI capabilities.
- Employed Python libraries such as Seaborn and Matplotlib for **Exploratory Data Analysis (EDA),** extracting vital information and visualizing complex datasets, showcasing my **analytical skills** and creativity in utilizing data-driven insights to address business problems.
- Created **signal processing algorithms** for data cleaning, achieving a 50% increase in data extraction efficiency. This reflects my ability to blend technical expertise with analytical thinking, enhancing data quality for AI applications.
- Worked with **multidisciplinary teams** to apply scientific and statistical techniques in **feature engineering**, resulting in 30% of the current features and reducing feature creation time from 3-4 hours to 2-3 minutes. This demonstrates my collaborative spirit and my role in **streamlining AI workflows** to drive business value.
- Built, trained, and **optimized machine learning models**, achieving over 90% accuracy, recall, and precision, underlining my expertise in deploying AI to enhance product capabilities and business outcomes.
- **Generated realistic synthetic** data using AI algorithms such as Variational-Auto Encoders (VAR), SMOTE, & GANS, overcoming data scarcity challenges and enhancing model training processes. This innovative approach to AI application showcases my creativity in solving critical data challenges.
- Deployed and maintained trained models on the cloud using **AWS** and developed **data dashboards** with Plotly, Dash, Flask, and Heroku, providing vital data insights and statistics. This experience demonstrates my proficiency in cloud technologies and data visualization, essential for delivering AI-driven business solutions.

Cellebrite — Israel
Data Science Intern — Oct 2021 – Dec 2021

- Developed a program that **generated** realistic smartphone **data** such as text, speech, and images, for in-house product testing.
- Developed **AI generative** 'topic specific' chatbots, using **NLP** techniques and **LLM models** such as GPT2 & DialoGPT.
- Generated realistic Text-to-Speech models using tacatron2 and voice cloning **Neural network models**.
- Designed and researched authentic **Social-Network models** using modules such as networkX.
- Utilized and improved **image processing algorithms** to generate realistic fake faces and images using NN models such as StyleGAN.

Skills

Language: English (MT), Hebrew (Fluent)
Technical Languages: Python, Sql, Matlab, Java, R.
Data Skills: Data Analysis, Data Visualization, Statistics, Machine Learning, Deep Learning, Cloud Computing, Data Cleaning, Feature Engineering, Model Development, Computer Vision, NLP, LLMs, OCR.
Python Module: Pandas, NumPy, scikit-learn, Tensor Flow, Matplotlib, Seaborn, Plotly, Flask.
Interpersonal: Problem Solving, Critical Thinking, Communication, team-player, creative, Time Management.