

Shmuel Berger

Data Analyst

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Professional Summary

Data analyst with a passion for transforming raw data into actionable insights. Skilled in problem-solving, pattern recognition, and data-driven storytelling to support strategic decision-making. Experienced in Python, SQL, and Power BI, with a strong commitment to continuous learning and innovation.

Technical Skills

- **Programming:** Python (Pandas, NumPy), SQL
 - **Data Engineering:** ETL pipelines, Data wrangling, Data cleaning
 - **Data Visualization:** Matplotlib, Power BI, Tableau, Excel
 - **Machine Learning:** Scikit-learn, Feature engineering, Model evaluation
 - **Web Development:** HTML, CSS, Selenium
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Experience

Quality Assurance Specialist – IDF (Prisma Unit) | September 2021 – September 2022

- Conducted QA testing and ensured system reliability in high-security environments, reducing system failures by 20%.
- Assisted in the development and improvement of control management systems, enhancing operational efficiency.

Quality Assurance Specialist – IAF (Mofet Unit) | September 2022 – September 2023

- Performed QA testing and validation to maintain the integrity of critical systems within the Mofet Unit.
 - Contributed to process optimization, ensuring the reliability and performance of advanced security systems.
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Projects

Pizza Sales Data Analysis Project | 2024

- Cleaned and analysed sales data using Python and SQL.
- Built an interactive Power BI dashboard that identified peak sales trends and optimized inventory management, leading to a potential 15% reduction in waste.

Hackathon – Derech Chaim Yeshiva | January 2022

- Applied data analysis and problem-solving skills in a fast-paced, competitive environment.
 - Collaborated with a team to develop a data-driven solution, demonstrating teamwork and technical expertise.
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Education

B.Sc. in Computer Science (Ashkelon College) | 2019 – 2023

- Specialized in data structures, algorithms, database management, and statistical analysis.
- **Final project:** Built a [bank customer churn prediction model](#) using Python, Scikit-learn, and XGBoost. Applied **feature engineering** and evaluated multiple models to improve accuracy and identify key retention factors.

10-Week QA Course – Basmach | 2021

- Gained expertise in software testing, system validation, and quality assurance methodologies.
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Languages

Hebrew: Native English: Fluent