Avi Ben-zimra

Givat Shaul, Jerusalem
Email - benzimraaa@gmail.com
052-3126101

PROFESSIONAL SUMMARY:

● *Highly skilled Data Analyst with expertise in Python programming and data analysis.*

● *Proficient in statistical analysis, predictive modeling, and data preprocessing. Experienced in leveraging machine learning techniques, to extract valuable insights from large datasets.*

● *Strong problem-solving and analytical abilities, with a solid understanding of mathematical concepts including linear algebra and calculus.*

● *Motivated by a strong desire to continuously learn and expand scientific knowledge in all areas.*

● *Enthusiastic about the field and fully dedicated to ongoing professional growth and development.*

EXPERIENCE

Mefathim, Jerusalem — *Course Instructor*

January 2023 - Present

– **Designed and taught Python and machine learning courses to multiple classes.**

– **Developed comprehensive curriculum and course materials.**

Similarweb, Giv'atayim — *Data Analyst*

June 2021 - January 2023

Sourced and verified data, conducted automated tests, and developed tools for exceptional cases and anomalies.

Created an environment for testing and refining models using simulation tools.

Developed interactive dashboards for data exploration and visualization.

Applied statistical tools and machine learning models, including decision trees and time series analysis.

SKILLS

– Programming Languages: Proficient in Python (pandas, NumPy, PySpark, PyTorch), SQL (MySQL), and C++

– Data Science and Machine Learning: Skilled in statistical analysis, predictive modeling, data preprocessing, feature engineering, and model evaluation

– Mathematics: Strong understanding of linear algebra, calculus, and advanced mathematical concepts

– Cloud Platforms: Experience with AWS (S3)

EDUCATION

Mefathim, Haredi High-Tech Studies Program

Januar 2019 - February 2021

Acquired a strong foundation in a range of subjects including:

- Mathematics, Physics, Linear Algebra, C++, Python, Algorithms, Data Structures..

Data Science Specialization Course:

- Statistics, Machine Learning, and Computer Vision.

Applied theoretical knowledge to practical projects, including :

- Car counting application using **ResNet**
- Twitter-like app developed with **Flask** and **MySQL**
- Connect 4 game utilizing a **DQN** for reinforcement learning.