

Contact Information

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Links
Linkedin
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Amit Malka

Curious and self-taught data analyst with strong drive to explore new technologies. Combines technical expertise with natural curiosity to uncover meaningful patterns in complex datasets and transform them into actionable insights.

EXPERIENCE

2022 - 2023
GENOMIC DATA ANALYSIS PROJECT | MIGAL Research Institute | LINK

- Architected and implemented end-to-end data pipeline for single-cell RNA sequencing analysis
- Leveraged R programming to build scalable computational workflows for processing high-dimensional data
- Engineered custom algorithms for data normalization, dimensionality reduction, and cluster analysis
- Developed automated QA protocols to ensure data integrity throughout the analytical process
- Created comprehensive documentation and modular code structure for future iteration and knowledge transfer
- Visualized complex multidimensional datasets to extract actionable biological insights

2020 - 2021
Lab Technician & Shift Manager | MyHeritage

- Collaborated on MVP deployment of critical laboratory infrastructure
- Implemented data-driven tracking system ensuring 100% sample traceability and process compliance
- Optimized throughput by identifying bottlenecks and streamlining workflow processes
- Led cross-functional team operations, prioritizing tasks and allocating resources for maximum efficiency
- Established real-time communication protocols between teams to minimize latency in sample processing
- Demonstrated agile adaptation by returning to support scale-up operations during peak demand periods

EDUCATION

2020 - 2023
Bachelor of Biotechnology-Bio Data | Tel Hai College (GPA 85)

- Combined curriculum of biological sciences with specialized data analysis coursework
- Developed strong foundation in statistical methods and computational biology
- Key coursework: Statistics, Programming for Data Analysis, Computational Biology, Advanced Python programming
- Applied data analysis skills in multiple research projects throughout the degree program
- Utilized R programming to analyze and visualize real-world biological datasets
- Gained hands-on experience with bioinformatics tools and statistical analysis of complex biological datasets

SKILLS

- **Python:** Pandas, NumPy, Matplotlib, Seaborn etc.
 - **R Programming:** dplyr, ggplot2, Seurat, tidyverse etc.
 - **SQL:** data querying and analysis
 - **Power BI** - Interactive dashboards, DAX, and data modeling
 - **JavaScript, TypeScript, React, CSS** - website development
- Technical Skills & Core Competencies
 - Team Collaboration
 - Fast Learner & Adaptable

2014 - 2017
Military Service | Givati

- Managed logistics for 120 soldiers in dynamic operational environments
- Developed leadership skills through high-pressure tactical missions
- Coordinated team activities, fostering collaboration and efficiency

2024 - Present
VOLUNTEER SOCIAL MEDIA ADMINISTRATOR | "Dor BeMil" Organization

Manage the organization's Twitter account, creating and scheduling content to support the mission of promoting equal military service in Israel