Hadar Hallawa B.Sc

Software Developer | Machine Learning

058-4111931 | hadarhal19@gmail.com | [Personal-website] | [LinkedIn]| [GitHub]

Professional Profile:

Software developer with strong foundations in computer science, algorithms, and machine learning. Combines hands-on experience in Python, data analysis, and full-stack development with analytical thinking, fast learning, and a drive to turn ideas into practical solutions

Professional Experience:

Medical Lab Technician | Medifreeze (2023 – Present)
•Performed cord blood preservation procedures in sterile clean room environments.
•Operated advanced lab equipment and CRM systems with precision.

Bioinformatics Internship | Syntezza (NGS Unit) (2024)
•Developed Python scripts to automate and analyze genomic data. View on [GitHub].
•Gained hands-on experience with Flask, HTML, and CSS during the development phase.

Selected Projects:

Single-Cell RNA-seq Analysis (Grade: 98)
Developed R scripts to analyze and visualize gene expression at the single-cell level using Seurat. View on [GitHub].

Machine Learning for Heart Attack Risk Prediction (Grade: 98)
•Built classification models (Random Forest, SVM, Logistic Regression, Naive Bayes) using Python. View on [GitHub].
•Applied PCA for dimensionality reduction and performance optimization.

Sequencing Data Analysis (Grade: 92)
•Conducted RNA-seq, ChIP-seq, WGBS, Hi-C analyses on Linux environment.
•Performed preprocessing, genome mapping, and interpretation of research reports.

Education:

B.Sc. in Bioinformatics
Relevant coursework: Data Structures & Algorithms, Machine Learning & AI, Neural Networks, etc

Technical Skills:

• **Programming:** Python (OOP), R, C++ (OOP), SQL, JavaScript, HTML, CSS.
• **Tools & IDEs:** PyCharm, Visual Studio, RStudio, Google Colab, MySQL.
• **Operating Systems:** Linux, Windows.
• **Bioinformatics & Data Analysis Tools:** Seurat, Weka, RasMol, IGV, FASTQC.

Languages:

•Hebrew – Native

•English – Professional proficiency