Data Scientist

Smadar Levin I 054-4252111 I [smadarc.111@gmail.com](mailto:smadarc.111@gmail.com) I Ramat Gan I [LinkedIn](https://www.linkedin.com/in/smadar-levin-a47914160/)

**Summary**

* **4 years of experience** as a **Data Scientist** specializing in **computer vision, image analysis, time series analysis**, **deep learning** (DL), and **machine learning** (ML).
* Programming languages - **Python, Java.**
* Proficient with **PyTorch,** **OpenCV, TensorFlow, AWS**, **Jupyter Notebook, Colab, NumPy, Pandas, Scikit-learn**, statsmodels, and more.
* **Deep learning domain expertise**, with experience in **object detection** and **segmentation tasks** in dynamic environments.
* Skilled in designing, implementing, and optimizing **cutting-edge algorithms** for real-world production environments.
* **B.Sc in Computer Science**, **M.Sc in Computer Science**

**Experience**

2023 - Present **Data Scientist**, Synamedia

* **Developed advanced algorithms** for analyzing time series data and forecasting, testing, and using **time series models**, auto ML, and **machine learning models.**
* Conducted **statistical analysis** and **preprocessing** to enhance data quality and performance for predictive models.
* **Collaborated** with technical teams to deploy scalable **AI-driven solutions** in real-world environments.
* Hands-on experience with **data workflows** and **model validation**, focusing on high accuracy and reliability.

2021 - 2023 **Deep Learning Engineer**, SightBit

* **Co-led the development of core computer vision algorithms** with the CTO, forming the foundation of the platform’s object detection and segmentation capabilities.
* Deployed and **fine-tuned deep learning models** (ResNet, FPN) for object detection and segmentation tasks in dynamic environments.
* **Designed advanced image augmentation** and **processing techniques** to improve model robustness and scalability.
* **Led cloud-based deployment** of models using **AWS** (EC2, S3), integrating them into real-time, production-grade workflows.
* Conducted **hyperparameter tuning** and continuous **performance evaluation** to ensure high model accuracy and stability.

**Education**

2023 - Present **Master of Science in Computer Science**, Open University

2017 - 2020 **Bachelor of Science in Computer Science**, Sapir Academic College

**Skills**

**AI Expertise:** Deep Learning, Machine Learning, Computer Vision, Image Analysis, Feature Engineering, Object Detection, Image Processing, Time Series forecasting, Statistical Analysis.

**Frameworks/Applications:** PyTorch, OpenCV, TensorFlow, Jupyter Notebook, Colab, NumPy, Pandas, Scikit-learn, statsmodels.

**Programming:** Python, MySQL, Linux, AWS, OOP, Vectorized programming.

**Cloud Proficiency:** AWS (VPC, EC2, S3, CloudWatch, EventBridge, Athena).

Version Control & DevOps Practices: GitHub, CI/CD (automated testing via GitHub pull requests)

**Self** **learning**

**Neural Networks and Deep Learning** - Andrew Ng( with certificate).

**Improving Deep Neural Networks**: Hyperparameter tuning, regularization, and optimization - Andrew Ng (with certificate).

**Machine Learning** - Andrew Ng, Stanford University.

**Deep Learning** - Yann LeCun, NYU.

**Statistical Inference 30204** - Open University

**Advanced AI Techniques**: Object Detection, Text Recognition, Segmentation - Jose Portilla, Stanford 231n.

**Machine Learning, Deep Learning & Neural Networks in Matlab** - Eliott Wertheimer and Albert Nassar.

**3blue1brown** - Essence of calculus & Essence of linear algebra.

**Languages**

**Hebrew** - Native | **English** - Fluent