**[Avner Adda](https://avneradda.github.io/)**

**Data Scientist**

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**INDRODUCTION**

I'm a Data Scientist with a strong foundation in Applied Mathematics and Computer Science, bringing over 6 years of hands-on experience in machine learning and artificial intelligence.

Currently at Deloitte, I work on implementing innovative AI solutions across various industries, from Life Sciences to Banking. I'm particularly passionate about Natural Language Processing and building scalable AI systems. My expertise spans across AWS and GCP cloud platforms, where I hold professional certifications in Machine Learning and Data Science. When I'm not working with data, I'm either contributing to open-source projects or exploring the latest developments in AI technology.

**WORK EXPERIENCE**

**2022-2025 Data Scientist Deloitte** Tel-Aviv

* *Implemented a data cleansing solution to mask sensitive information on documents using* ***NLP method*** *(NER).*
* *Architected and implemented an enterprise-scale Graph-RAG system for healthcare data processing.*
* *Led end-to-end development of a machine learning clustering algorithm for healthcare provider segmentation, processing 1M+ patient records to optimize drug accessibility pathways*
* *Collaborated with diverse consumer goods clients to deliver personalized customer clustering analyses using classical Machine Learning and Generative AI techniques. Additionally, contributed to the development and improvement of the package*

**Tools**: Python, [AWS](https://www.credly.com/badges/ae7f1c76-96fb-487e-9adb-742347a6eb55), [GCP](https://google.accredible.com/9de117cd-79c1-4d5d-beed-578890256ac7), Spark, NoSQL, T-SQL, LLMs, Tableau, PowerBI, Dataiku, [NVIDIA](https://courses.nvidia.com/certificates/02a9c5fa944448549f7e4df6ea931d0a/), Git

**2020-2022 Data Scientist Adopt-a-Contractor** Netanya

* *Leading company's machine learning projects and their releases into production.*
* *Implementation of machine learning algorithms to detect and reduce fake requests and predict prices.*

**Tools**: Python, MySQL, ElasticSearch, Linux, AWS, Git

**2020 Data Scientist PowToon**  Tel-Aviv

* *Detected anomalies using time series algorithms and testing its robustness using Python and AWS environments.*
* *Retrieved BI data warehouse using SQL, build the data history to map the behaviour of KPI’s over time.*

**Tools**: Python, SQL, AWS, PostgreSQL, Snowflake, Git

**EDUCATION**

**2019 - 2020 Israel Tech Challenge, Data Science Program** – *A full-time training course in collaboration with leading tech companies, which qualifies talented STEM MSc graduates as professional Data Scientists. Focus is hands-on experience and skillset in Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision and more, through research, self-led learning, and teamwork.*

**2013 - 2018 ESILV, Master’s Degree Sc. Applied Mathematics & Computer Science** – *Curriculum entailing the consideration of the main trends observed in the banking industry and in the job market, such as high-frequency trading and new risk management becoming more complex with new financial directives and with the FinTech emergences. Coupled with Data Science courses in supervised and unsupervised learning, projects with companies.*

**TECHNICAL SKILLS**

**Programming languages:** Python, R, SQL, VBA

**IDEs:** PyCharm, Jupyter, VS Code.

**Technological skills:** Snowflake, MySQL, Git, Linux, Dataiku, Docker, Spark, AWS (certification), GCP (certification), Tableau, MongoDB, Azure

**ADDITIONAL INFORMATION**

**Language**: English, Fluent. Hebrew, Intermediate. French, Native.  
**Data Science project**: Predict genre of songs (Deep Learning, CNN, XGBoost), fraud detection inference and prediction (K-means, PCA), Recommendation System for Israeli food products (Kaspenu - nutritive and price)

**Extra-activities**: Volunteering, write articles, Soccer & Gaming.