

Mert Demir

Data Scientist

📍 Rome, Italy [in](#) LinkedIn [G](#) Github [✉](mailto:mert.d728@gmail.com) mert.d728@gmail.com [📅](#) 23/02/1995

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Profile

As a +5 year experienced Data Scientist, I thrive at the nexus of AI, machine learning, and real-world applications. My experience spans across healthcare, finance, and geosciences, where I've honed my skills in deep learning, neural networks, NLP, and computer vision. Proficient in Python, SQL, R, and Dataiku, I also have a solid grasp of cloud services like AWS and Azure. I am deeply passionate about the power of data, constantly seeking to innovate and make meaningful contributions in data science. My approach is collaborative, aiming to blend technical expertise with creative problem-solving to drive impactful solutions.

Education

Machine Learning Specilization, *Stanford University* [🔗](#) 2022 – 2022
California, U.S.A

IBM Data Science Professional Certificate, *IBM* 2022 – 2022

Google Data Analytics Professional Certificate, *Google* [🔗](#)

Elements of Artificial Intelligence, *University of Helsinki* [🔗](#) 2022 – 2022
Helsinki, Finland

Machine Learning for Trading Specialization, *New York Institute of Finance* [🔗](#) 2022 – 2022
New York, U.S.A

MicroMasters Program in Statistics and Data Science, *Massachusetts Institute of Technology* 2021 – 2022
Boston, U.S.A

Relevant coursework: Statistics, Multivariable calculus and linear algebra, Predictive modeling, Machine learning and deep learning, Data visualization,

Analysis of Algorithms, *Princeton University* 2022
New Jersey, U.S.A

Algorithm I, *Princeton University* 2022
• Grade achieved: 96.8%
New Jersey, U.S.A

Algorithm II, *Princeton University* 2022
• Grade Achieved: 93.6%
New Jersey, U.S.A

CS50: Introduction to Computer Science, *Harvard University* 2021
Boston, U.S.A

B.Sc. Audiology and Speech-Language Disorders, *Istanbul Aydin University* 2013 – 2018
Relevant coursework: Biostatistics, Medical Biology and Genetics, Physics and Acoustic Biophysics, Health Communication and Communication Skills, Scientific Research Methods
Istanbul, Turkey

Certificates

Biology Meets Programming: Bioinformatics for Beginners (*UC San Diego*)

Professional Experience

- Data Scientist, I-Com** [↗](#) 2023 – present
Roma, Italia
- Designed and implemented advanced data analytics solutions to drive strategic decision-making and business insights
 - Utilized Python for data manipulation, cleaning, and analysis using libraries like Pandas, NumPy, and Scikit-learn
 - Collaborated with cross-functional teams to identify and interpret complex data patterns, contributing to innovative research projects.
- Python Instructor, I-Com** [↗](#) 2023 – present
Roma, Italia
- Crafted and delivered comprehensive Python training programs tailored to data science applications
 - Developed curriculum covering Python basics, data structures, object-oriented programming, and advanced data analysis techniques
 - Conducted hands-on sessions on Python libraries such as Pandas, NumPy, and Matplotlib, emphasizing practical applications in data science
 - Evaluated and provided constructive feedback on assignments and projects, fostering a supportive learning environment
- Senior Data Scientist (Contractor), Shinka Geosciences** [↗](#) 01/2023 – 12/2023
- Developed automation systems to streamline operations and improve efficiency.
- Built robust, user-friendly websites to meet the company's unique requirements.
 - Created data-centric solutions to complex problems, significantly improving decision-making processes.
 - Developed and deployed applications that directly addressed specific business challenges.
- Co-Founder, Bingpot Studios** 02/2023 – present
- Participated in the development of the company's business plan, financial model, and overall strategy.
 - Worked closely with the other co-founder(s) to define the company's product roadmap and prioritize features based on user feedback and market trends.
 - Oversaw the product development process from ideation to release, ensuring that the products met high standards of quality, functionality, and usability.
 - Built and managed a team of 5, including developers, designers, and other specialists.
 - Developed and maintained relationships with key partners and stakeholders, including investors, customers, and suppliers.
- Data Scientist, Freelancer** 2018 – present
- Designed a high-accuracy crypto market movement prediction system using time series analysis (MA, ARMA, ARIMA, etc.)
 - Created algorithmic trading system with %93+ accuracy
 - Built a TensorFlow Deep Learning Model and PyTorch Deep Learning Models at Scale with Azure ML
- Product Owner, Rising Digital** 01/2022 – 08/2022
- Collaborated with teams to discover and deliver the best solution to the market presented by the product team lead and the business.
 - Created and maintained the solution vision, roadmap, and backlog of work through the project's life cycle.
 - Acted as liaison between business, sales and IT teams to refine the product and incorporate features based on market demands.
- Lead Data Scientist, Sevdrus Design Collection** 2020 – 2022
Istanbul, Turkey
- Currently developing a recommendation engine for production to conditionally recommend other menu items based on history
 - Implemented various time series forecasting techniques to predict surges in customer orders to lower average customer wait time by 10 minutes
 - Designed, executed, and optimized a digital marketing campaign on Google AdWords; led to %24 increase in ROL

Skills

RStudio (Advanced proficiency in Shiny R for interactive app development and statistical analysis.)

Python (Extensive experience in using Python for data analysis, data visualization, machine learning, and deep learning projects, including libraries such as Pandas, Numpy, Scikit-learn, and TensorFlow.)

SQL (Proficient in writing complex SQL queries for data extraction, manipulation, and analysis. Experience with SQL-based databases like PostgreSQL and MySQL.)

MATLAB (Experience in implementing machine learning applications and mathematical modeling.)

Microsoft Office Products (Proficient in Excel for data analysis and visualization, PowerPoint for creating presentations, and Word for documentation.)

Statistical Analysis (Proficiency in Stata, SPSS, and RStudio for performing statistical analysis, hypothesis testing, regression analysis, and predictive modeling.)

Artificial Intelligence (Experience in developing AI models for tasks like image recognition, text analysis, and prediction, using both supervised and unsupervised learning methods.)

Machine Learning (Strong knowledge of machine learning algorithms, including regression models, decision trees, random forests, SVMs, clustering, and neural networks.)

Dataiku (Proficient in using Dataiku for creating end-to-end data science workflows, from data preprocessing and exploration to model training and deployment.)

Cloud Services (Experience in leveraging cloud platforms like AWS and Azure for data storage, computation, and deploying machine learning models at scale. Proficient in using services like S3, EC2, RDS, and SageMaker on AWS and Azure Machine Learning Studio, Azure Functions, and Azure Databricks.)

Languages

Turkish (Native) • **English** (C2 Proficiency) • **Italian** (B2-C1) • **Arabic** (B1 Proficiency)

American/Italian Sign Language (A2 Proficiency)

For additional information on my projects, certifications, and more, please check the following resources

LinkedIn [🔗](#)

- For a detailed overview of my professional experience, education, and certifications.

GitHub [🔗](#)

- For a deep dive into the projects, I've worked on. You'll find repositories containing the code, data, and reports for my various data science and machine learning projects.

Medium [🔗](#)

- For articles I've written on various topics in data science, machine learning, and artificial intelligence.

Publications

- Please refer to my LinkedIn profile for a list of my formal publications in the field.