

CONTACT

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OBJECTIVE

Highly motivated and analytically driven professional with a strong foundation in Mathematics (B.Sc.) and a Master’s in Information Systems specializing in Big Data Analytics. With over two years of professional experience as a Data Engineer, I have developed expertise in end-to-end data pipeline design, data modeling, and scalable analytics solutions. My academic research focused on neural networks and partial differential equations (PDEs), reflecting my passion for bridging mathematics and computer science through advanced computational methods. I continuously explore machine learning, neural networks, and MLOps, while deepening my technical proficiency in Git, data engineering frameworks, and the full data lifecycle—from raw ingestion to intelligent modeling and deployment.

EXPERIENCE

01/09/2022 - 31/10/2022	<ul style="list-style-type: none">Solar Energy Analyst National Observatory of Athens Analyzing data through computer vision techniques and python. Analytic statistical estimations of forecast databases.
23/06/2022 - Ongoing	<ul style="list-style-type: none">Associate National and Kapodistrian University of Athens, department of medicine Associate in prof. Vassilis Gorgoulis' research team. Mathematical machine learning in bio-medicine.
01/03/2024 - 05/03/2025	<ul style="list-style-type: none">Data engineer Tgndata ETL, python scripting, SQL. Data mining, cleansing, load to my SQL database. Data entry, data engineering.
26/03/2025 - Ongoing	<ul style="list-style-type: none">AI/Data Engineer Accenture Designing and implementing ETL pipelines across Silver and Gold layers in a medallion architecture for large-scale data migration and reporting solutions. Databricks, PySpark, and SQL for building, optimizing, and testing data workflows. Power BI, Microsoft Fabric, and microservice app setups.

EDUCATION

Ongoing	<ul style="list-style-type: none">M.Sc. in Information Systems & Services, University of Piraeus Big Data Analytics 8.63
2017-2022	<ul style="list-style-type: none">National and Kapodistrian University of Athens, School of Science, Department of Mathematics Mathematics
2014	<ul style="list-style-type: none">ECPE English

SKILLS

- Azure Databricks
- Python, PySpark

- R , Matlab, SPSS, MS Excel, MongoDB, Spark
- Mathematical Machine Learning Neural networks (PCA,LDA,Regression,Classifiers, Clustering, R-CNNs, Deep Learning)

PROJECTS

- **Master's thesis**
 - Deep learning with Arithmetic Methods on hyperspace Parabolic Partial Differential and backward Stochastic Equations --
 - Parabolic Partial differential equations
 - Development of arithmetic methods for closed form solutions
 - R - CNN in hyperparameters tuning
- **Mathematical Machine Learning**

Research Team, Department of Medicine, NKUA.
Regression with real life medical data
Classification and Clustering.
- **Object detection**

Neural Networks, object detection from images of surveillance cameras and aerial photographs.
-VisDrone Dataset-

 - R-CNN
 - YOLO v3-5-8
 - Transfer Learning and Model fine-tuning
- **NLP**

Sentiment analysis ML project. Imdb, Amazon comments. Polarity, Sentiment extraction and classification
- **Time series project and Matlab Unsupervised Training**
 - Time series analysis with R
 - Unsupervised learning (K-means Clustering) with Matlab
- **Spark**

Distributed system infrastructure set-up. Cloud-based computing. K-nn algorithm development.
- **MongoDB**

Case study assignment for Master's course
- **Microsoft Azure**

A.I. Fundamentals AI - 900