

POLLALI MARIA-ANGELIKI

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🔗 <https://github.com/MariangelaPol>



EDUCATION

National and Kapodistrian University of Athens

Master's degree: Computer Science · Grade: 9.1/10

📅 Oct 2022-June 2024 📍 Athens, Greece

Thesis: "The GeoQuestion1089 Dataset" (10/10).
Member of the **AI-Team & Teaching Assistant** at Artificial Intelligence and Data Structure Course.

National Technical University of Athens

Master's degree: Mathematical Data Science · Grade: 9.4/10

📅 Oct 2020-June 2022 📍 Athens, Greece

Thesis: "Latin Hypercube Sampling and Applications in Machine Learning" (10/10)

National and Kapodistrian University of Athens

Bachelor's degree: Mathematics · Grade: 7.3/10

📅 Sept 2015-Feb 2020 📍 Athens, Greece

Applied and Pure Mathematical Courses.

WORK EXPERIENCE

EY

AI & Data Assistant Manager

📅 June 2024-Present 📍 Athens, Greece

AI & Data Senior Consultant

📅 May 2023-June 2024 📍 Athens, Greece

- Managed a team and served as the key contact person while building a data platform for a leading multinational consumer products company using Azure Data Factory. Responsibilities included designing the architecture, data model, advanced analytics, and developing reports in Power BI.
- Worked on designing an optimized data architecture for a major humanitarian organization, assessing the existing system and proposing an integrated solution. Designed a high-level data warehouse, ensuring smooth data integration and efficient consumption while recommending suitable technologies for scalability and analytics.
- Developed a global beverage allocation model for a leading distiller using Python, Git, and Databricks. Deployed the model via an API in Databricks and tested it using Postman, with Azure DevOps managing the deployment pipeline.
- Developed efficient SQL procedures in SSMS T-SQL, Python, and QPR to monitor loan progression for a Greek bank. Acted as the main liaison between senior management and the project team while leading and mentoring a team of four.
- Delivered comprehensive Analytics training on Oracle SQL and Power BI (M-Query, DAX, Visualizations) to over 100 employees at Greece's leading telecommunications company, while managing a team of four.
- Supported proposal development, effort estimation, project planning, and resource allocation, ensuring the successful on-time and on-budget completion of over two projects.

National & Kapodistrian University of Athens

Research Assistant

📅 Oct 2022-Dec 2023 📍 Athens, Greece

Worked as part of **Madgik Team** for the Digital Assistant Interface for Digital Twin Earth (EU founded program). Tasks related to Visual Question Answering for Satellite Data, LLMs and RDFs.

Stout

Full Stack Engineer - Digital & Data Analytics

📅 Aug 2022-May 2023 📍 United States of America (Remote)

- Developed an API to automate Customer Attrition reports for the Business Valuation department, using Python (Flask) for the back-end and HTML/CSS/JavaScript for the front-end.
- Analyzed questionnaire data (Python and Excel) using ML techniques such as Decision Trees and Random Forests, and created visualizations with PowerBI (M-Query & DAX) for a U.S. transfer company.
- Successfully completed a Proof of Concept (PoC) project for Car Damage Recognition using Detectron2, CNN, and YOLO for a law firm in the United States.
- Designed and implemented a Bond searching feature using Razor Pages with ASP.NET, C#, HTML, CSS, and JavaScript.
- Conducted over 15 technical interviews for prospective candidates.

D ONE | Data Driven Value Creation

Data & Analytics Consultant

📅 Apr 2022-Aug 2022 📍 Zurich, Switzerland (Remote)

Data & Analytics Associate Consultant

📅 May 2021-April 2022 📍 Zurich, Switzerland (Remote)

- Managed end-to-end data processes, including extraction, transformation, modeling, and architecture design using Azure Data Factory, Azure Blob Storage, SQL, M-Query, and DAX for Swiss Retail and Pharma sectors.
- Produced reports using PowerBI(PowerBI Service) and Tableau(Tableau Service) services for Swiss Retail, Pharma, and Consulting sectors.
- Conducted a Proof of Concept (PoC) on Assortment Optimization using KMeans, Regression, Databricks, Pyspark, and PowerBI for Swiss Retail.

DIADIKASIA BUSINESS CONSULTING SA

Junior Business Consultant

📅 Oct 2020-Apr 2021 📍 Athens, Greece

- Created an automated accounting tool using Excel VBA for the Greek Navy.
- Conducted logistics and inventory analysis for the Public Sector, utilizing Python and Excel.

Deloitte

Data Science Intern

📅 Feb 2020-May 2020 📍 Athens, Greece

- Conducted sales prediction time series forecasting (ARIMA, ARMA, and UCM) for the Retail Industry, utilizing Python and R.
- Developed a customized automation tool streamlining accounting processes for the Shipping Industry, leveraging Python and Bash.

LANGUAGES

Greek | Native Speaker
English | Certificate of Proficiency
German | Basics

TECH SKILLS

Software Tools: MS Office (Word, Excel, PowerPoint), PowerBI, Tableau, SPSS, Microsoft Visio, Azure DevOps(Git), Docker

Programming Languages: Python, R , Matlab, SQL, SPARQL, VBA, HTML, CSS, JavaScript, C#

Cloud: Microsoft Azure

PUBLICATIONS

- The question answering system GeoQA2 and a new benchmark for its evaluation. International Journal of Applied Earth Observation and Geoinformation, Volume 134, November 2024
- Benchmarking Geospatial Question Answering Engines using the Dataset GeoQuestions1089 The 22nd International Semantic Web Conference, Athens, Greece, 6-10 November, 2023
- DA4DTE: DEVELOPING A DIGITAL ASSISTANT FOR SATELLITE DATA ARCHIVES Conference on Big Data from Space (BiDS23) 2023, Vienna, Austria, 6-9 November, 2023

CERTIFICATIONS

Google Certified Professional Data Engineer,
Microsoft Certified Data Analyst,
Microsoft Certified Azure Data Engineer Associate,
Tableau Certified Associate Consultant

VOLUNTEER EXPERIENCE

TEDxNKUA, GlaxoSmithKline (GSK), AIESEC and Business Talents Competition.