

Konstantinos Nikoletos

Machine Learning Research, Computer Science & Engineering

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 LinkedIn

 GitHub

Education

M.Sc. in Data, Information and Knowledge Management

2022 - now

University of Athens

Teaching Assistant in B.Sc. courses: Data Structures in C, Artificial Intelligence, Deep Learning for NLP.


B.Sc. in Computer Science

2017 - 2022

University of Athens

GPA: 8.8

Expertise: Data, Information and Knowledge Management

Thesis: WinnER: A Winner-Take-All Hashing-Based Unsupervised Model for Entity Resolution Problems. 

Skills

Artificial Intelligence

Machine Learning

Python

Entity Resolution

Web Development

Back-end

Java

Docker

SQL

Teaching

Achievements

Top 1% in student selection for Master's Degree

University of Athens

3rd highest GPA on my Bachelor's Degree among graduates

University of Athens

For more:

<https://nikoletos-k.github.io>

Work Experience

Machine Learning Researcher

2022 - now

National and Kapodistrian University of Athens

AI team fellow & Research Associate. R&D for HORIZON-Europe projects (STELAR). Supervised by Dr. George Papadakis and Pr. Manolis Koubarakis.

Python, NLP, Entity Resolution, Hugging Face, Gensim

Software Engineer

2021-2022

AppArt S.A

Developed a data analytics feature for Vodafone Greece.

R&D on user behaviors in telecom networks [EU-funded project].

Java, Spring Boot, Docker, Apache Karaf, SQL/NoSQL DBs

Projects

pyJedAI 

2022-now

Machine Learning | Entity Resolution | Python

Design and implementation of an open source pypi-library focused on providing solutions for a variety of Entity Resolution problems.

- Algorithmic research on Entity Resolution techniques
- Creating a tool using cutting-edge data science frameworks
- Exploiting deep learning for Entity resolution
- End-to-end system development and maintenance

WinnER 

2021-2022

Pattern Recognition | Entity Resolution | Python

Designed and implemented an Entity Resolution model named WinnER as part of my B.Sc. thesis.

- Designed & implemented SOTA Entity Resolution solution
- Experimented with a variety of clustering techniques
- Tackled the curse of dimensionality
- Created an optimized and end-to-end evaluation process

Vodafone Data Analytics System

2021-2022

Data Analytics | Back-End API | Java

Developed a data analytics solution for Vodafone Greece.

- Designed API endpoint architecture [Spring Boot & Karaf]
- Computed statistical analyses
- Optimized queries on SQL/MariaDB
- Maintained the production system architecture