Hisham Alkaed / Data Scientist | AI&NLP Engineer

Web Portfolio | LinkedIn | Github | hishamalkaed@outlook.com | 0031-685594681 | The Hague, Netherlands

Professional Overview

Data Scientist and NLP Engineer with a Master's in Text Mining and 2+ years of hands-on experience in AI, machine learning and linked data. Proven expertise in transforming raw data into actionable insights using Python, TensorFlow, PyTorch and NLP frameworks. Passionate about applying data-driven solutions to public policy, healthcare and governance through advanced analytics, knowledge graphs and deep learning. Strong communicator fluent in English, Dutch and Arabic.

Education

BSc in Artificial Intelligence | Vrije Universiteit Amsterdam | 2022 | GPA 8.8/10

MS in Linguistics (Text Mining) | Vrije Universiteit Amsterdam | 2023 | GPA 8/10

Skills & Tools

Languages: Python (Proficient), SQL, SPARQL, Prolog, GOAL

AI/ML: NLP, LLMs, Deep Learning, Computer Vision

Tools: Evolutionary Algorithms, Knowledge Graphs, Data Visualization

Data Engineering: Data Cleaning, ETL Pipelines, Linked Data Platforms

Languages

English	Fluent
Dutch	Fluent
Arabic	Native
Spanish	Beginner

Certificates

Linked Data Essentials - Taxonic, 2024
Linked Data Foundations - Taxonic, 2024

Experiences

Rijks-I Traineeship | Government

Full-Time │ Sept 2024 – Present

Rotational program across three ministries, leading high-impact AI/data projects. Acted as the technical expert in each team, applying NLP, generative AI and data engineering to real-world public sector challenges.

JenV / Datalab – Data Scientist

Full-Time │ Jan 2026 -Present

BZK / SSC-ICT – AI Advisor

Full-Time │ May 2025 – Dec 2025

- Played a crucial role in delivery of a generative AI assistant for 100,000+ civil servants
- Co-managing functional/technical implementation, advising stakeholders and driving feature development
- Coordinating with internal clients and proactively translating needs into AI solutions

OCW / DUO – Data Scientist

Full-Time │ Sept 2024 – Apr 2025

- Built an end-to-end pipeline for scraping, parsing, anonymizing, and indexing policy documents
- Deployed dashboards with Streamlit and Elasticsearch to enable instant search across 10,000+ documents
- Impact: Cut policy data retrieval time by 80%

Taxonic – Linked Data Consultant

Full-Time │ June 2024 – Aug 2024

- Design and implement linked data solutions to enhance data interoperability and accessibility for clients.
- Utilize semantic web technologies (SPARQL, RDF) to build knowledge graphs for diverse industries.

Johan de Wilt Scholengroep – Tutor

Part-Time │ Dec 2023 – May 2024

- Tutored pre-university students (VWO & HAVO) in mathematics, improving average grades by 20%.

Vrije Universiteit Amsterdam – Teaching Assistant

Part-Time │ Sept 2022 – July 2023

- Assisted in courses: Introduction to Data Science, Databases, Intelligent Systems and Computational Intelligence.
- Graded assignments and mentored 50+ students on Python, SQL and machine learning.

Nationale Nederlanden – Operational Management Assistant

Part-Time │ Aug 2021 – Nov 2021

Automated data workflows using Power BI, reducing manual reporting time by 30%.