

HISHAM ALKAED

DATA SCIENTIST | AI & NLP ENGINEER

CONTACT & INFO

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🐙 <https://github.com/HishamAlkaed>

📁 <https://hishamalkaed.github.io/>

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

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

CERTIFICATES

Linked Data Essentials & Foundations
Taxonic, 2024

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.

WORK EXPERIENCE

🇳🇱 Rijks-I Traineeship | Government | Sept 2024 – Present End-to-End Data Pipeline & Dashboard Development

- Led an 8-month project to automate data ingestion and analysis
- Engineered a Python-based pipeline using web scraping, PDF parsing, and privacy-focused anonymization.
- Built a searchable knowledge base with Elasticsearch and deployed interactive dashboards via Streamlit, enabling secure, real-time querying of 10,000+ documents.
- Impact: Reducing time to locate critical policy data by 80%.

🇳🇱 Linked Data Consultant | Taxonic | 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.

🇳🇱 Mathematics Tutor | Johan de Wilt Scholengroep | Dec 2023 – May 2024

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

🇳🇱 Teaching Assistant | Vrije Universiteit Amsterdam | 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.

🇳🇱 Operational Management Assistant | Nationale Nederlanden | Aug 2021 – Nov 2021

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