Ilya Muradin

Data Scientist

The Hague, Netherlands | ilyamuradin@gmail.com | ilyamuradin.dev

PROFILE

Data Scientist based in The Hague, with experience in insurance, banking and technology. Works with real-world data to find patterns, build predictive models and turn analysis into useful insights. Currently studying for an M.Sc. in Computer Science (Data Science & AI) at Leiden University alongside a full-time role.

EXPERIENCE

Statistician & Data Scientist, Dutch Association of Insurers — Nov 2023 – present

Analyse insurance data and publish market statistics, with a strong focus on data quality. Build data pipelines and automate recurring processes, including web scraping, and work on statistical modelling and the analysis of pension choices and customer behaviour.

AI Engineer, Gîtes — Jun 2025 – Jun 2026

Built a three-layer NLP classification pipeline to detect hosts attempting to move bookings off platform, combining rule-based signals, contact detail detection and multilingual embeddings. Scored 320,000+ messages across 30 detection layers and surfaced an estimated €420,000 in commission at risk.

Business Analyst, Natuurhuisje — Feb 2023 – Jul 2023

Analysed business and operational data, defined key metrics together with the teams, and built live dashboards to track results.

Data Analyst, NIBC Investment Bank — Jan 2022 – Feb 2023

Built a classification model to identify environmental risks in commercial real estate, combining property data with over 12 external sources such as air quality, flood risk and noise, and automated the data pipelines and APIs that deliver the risk scores.

PROJECTS

VibeWork, full-stack mobile recruitment app

Candidates discover jobs through short videos and apply directly in the app, with a matching algorithm that ranks vacancies by candidate fit into a personalised feed, and a CV parsing service that turns CVs into structured candidate data.

AquaVite, members' app for an association

Brings together shared schedules, expense tracking, member information and internal tools in one place, on a PostgreSQL database with row-level security.

EDUCATION

M.Sc. Computer Science — Data Science & AI, Leiden University — 2025 – present

B.Sc. Computer Science — Software Engineering, Leiden Univ. of Applied Sciences — 2019 – 2023

Minor Fintech: Investing & Trading, The Hague Univ. of Applied Sciences — 2021 – 2022

SKILLS

Data science: statistical analysis, predictive modelling, classification, recommender systems, NLP

Tools: Python, SQL, pandas, Sentence Transformers, FastAPI, Docker, REST APIs

Data engineering: data pipelines, ETL, PostgreSQL, web scraping, data quality, dashboards

Languages: Dutch (native), English (fluent)