

AKHILESH RAMESH

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EDUCATION

University of Maastricht, Netherlands (Candidate)
MSc in Data Science for Decision Making

February 2025 - Present

University of Maastricht, Netherlands
BSc in Data Science & AI

September 2021- July 2024

EXPERIENCE

Infosys BPM Düsseldorf
IT Process Specialist

August 2025 - Present

- Ticket handling: researching, troubleshooting and solving various issues over the phone/line using the system ServiceNow.
- Topics: Public Key Infrastructure (PKI) Certificate installation, SAP / SAP GUI problems, Password resets, Microsoft issues (Outlook, Teams, OneDrive, Sharepoint, etc), Devices issues (Headphones, Monitor, Charging cables), Driver updates, Printer issues, etc.

Uniklinik RWTH Aachen
Research Intern

September 2023 - December 2023

- This role consisted of supporting the literature review and performing some basic automation scripts.
- Conducted literature research into the area of independence assumption violation in Statistics, Building Science, and other fields
- Wrote automation scripts (i.e. logging working hours, web scraping, etc.) in Python and JavaScript.

PROJECTS

Maastricht University
Spectroscopy (Plastic Type Prediction)

February 2025 - April 2025

- Language & Dataset: Python (Sklearn), Spectral data (700-1000nm) & Categorical (Color, Transparency)
- Objective: Apply data fusion techniques for plastic type prediction in a group of 4 people
- Preprocessing: Oversampling, Baseline Correction, Normalization, and Savitzky-Golay filter
- Algorithms: High-level fusion (i.e. Bayesian Consensus) and Mid-level fusion (i.e. PCA + Models (XGBoost, AdaBoost, MLP, RF))

Maastricht University
Bachelor Thesis (Type II Diabetes Prediction)

February 2024 - June 2024

- Language & Dataset: Python, NHANES (28061 instances, 19 features)
- Objective: Apply machine learning techniques to accurately predict Type II Diabetes
- Techniques: EDA, Preprocessing, Feature Selection, Model (Predictions, Evaluation, Hypertuning) & Explainability (LIME & Shapley)
- Algorithms: AdaBoost, XGBoost & MLP

SKILLS

Languages	English (C1), German (C1)
Programming Languages	Python, Java, MATLAB, Rust, JavaScript
Frameworks	Pandas, NumPy, TensorFlow, Pytorch, Matplotlib, Seaborn, Flask, Scikit-Learn, OpenCV
Developer Tools	Git, VS Code, Visual Studio, Jupyter Notebook, PyCharm, Microsoft Excel
Concepts	Computer Vision, Machine Learning, Databases, Data Fusion, Signal Processing