

PERSONAL INFORMATION

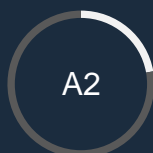
LANGUAGE LEVEL



Persian



ENGLISH



Dutch

CONTACT



+31 647960252



amir.ahangi@gmail.com



Waddinxveen, The Netherlands



Amir Ahangi

Data Scientist

PROFILE

Data Scientist with over 8 years of experience in driving strategic insights and data-driven decision-making within complex organizational structures. Adept in Python, SQL and Airflow, with a proven track record in applying statistical genetics and advanced machine learning techniques to unlock actionable insights. Recognized for providing global perspectives on customer behavior, influencing product development, and enhancing customer value propositions. Skilled in technical mentorship, with the emotional intelligence to guide diverse teams and elevate the data science and analytics craft. Passionate about fostering long-term capability within data science teams and implementing robust, and scalable solutions.

EXPERIENCES

VOORDEELUITJES.NL, AMSTELVEEN, NETHERLANDS

Data Scientist

04/2023 – Present

- Leading projects focused on applying data science techniques (AI solutions), including statistical and machine learning algorithms, to large datasets
- Creating Tableau dashboards and writing SQL queries in MySQL
- Designed data warehouse architecture (star schema)
- Working with Airflow (ETL tool) and writing DAG files using Python to transfer data and deploy machine learning pipeline
- Working closely with domain experts to translate their requirements into data science solutions
- Utilizing statistical techniques in conjunction with machine learning methods to drive recommendations and strategies
- Working with agile methodologies (Scrum, Kanban)

MAASTRICHT UNIVERSITY, MAASTRICHT, THE NETHERLANDS

Data science researcher

04/2018 – 04/2023

- Conducted research in logistics chains, showcasing proficiency in analyzing complex, large-scale logistics datasets
- Utilized machine learning algorithms on time-series AIS data, employing ensemble learning techniques (e.g., bagging and boosting), clustering, dimensionality reduction, and statistical methods using Python, SQLite, NoSQL (MongoDB), and JSON files on CentOS 7
- Mentored and coached junior researchers, fostering a data-savvy environment, and tutored in multi-agent and machine learning courses
- Developed the novel deep neural network-based models using Pytorch
- Developed a data-driven maritime port simulation framework
- Worked on an anomaly detection system

AHMADI HYPERMARKET, RASHT, IRAN

Data Science and IT Consultant

09/2016 – 03/2017

- Led and monitored the deliverables of IT teams
- Analyzed market data to predict IT equipment purchasing requirements using MATLAB and machine learning algorithms.
- Provided the online sales infrastructure to address warehouse limitations

HEKMAT IRANIAN BANK, RASHT, IRAN

Data science and IT engineer

04/2014 – 03/2018

- Provided the bank reports through the bank-customized software
- Analyzed financial data using statistical algorithms

HYPERSUN, RASHT, IRAN

Data science and IT specialist

12/2012 – 03/2014

- Developed an Inventory management tool
- Analyzed customer behavior (loyalty program) and market data (pricing strategy)
- Coordinated the online sale project

EDUCATION

PH.D. CANDIDATE, MAASTRICHT UNIVERSITY, NETHERLANDS

Data Science

04/2018 – 04/2023

M.SC., UNIVERSITY OF GUILAN, IRAN

Computer Engineering

01/2014 – 01/2017

B.SC., RAJAEE UNIVERSITY, IRAN

Computer Engineering

01/2010 – 01/2012

ASSOCIATE DEGREE, SHAMSIPOUR ACADEMY, IRAN

Computer

01/2007 – 01/2009

PUBLICATIONS

- Switching Network for mixing experts with application to traffic sign recognition (2023)
- PySeidon - a data-driven maritime port simulation framework (2021)
- Self-organization among autonomous agents in complex seaports (2019)
- A novel fusion mixture of active experts algorithm for traffic signs recognition (2019)
- Multiple classifier systems for EEG signal classification with application to brain-computer interfaces (2012)

IT SKILLS

Python and Matlab



SQL Server and MySQL



Tableau and Power BI



Machine Learning



Deep neural networks



Pytorch



AWS / GCP / Azure



ETL tool (Airflow)



C/C++ and Cuda



Statistical algorithms



Agile (Scrum, Kanban)



Linux (Ubuntu, CentOS)



Conferences and Courses

- Analyze Datasets and Train ML Models using AutoML (2022)
- Fundamentals of Accelerated Computing with CUDA C/C++ (2022)
- Project Management (2020)
- Trends and Topics in Multi-Agent Systems (2019)
- Ph.D. research writing course (2019)
- Research methods and methodology (2018)
- Game Theory course (2018)
- Advanced Data Science: Mathematical Methods (2018)
- 2nd International summer school on Deep Learning (2018)
- 20th European agent systems summer school (2018)

INTERESTS

ROAD TRIP, SQUASH, FOOTBALL

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