Navid Falah

(+49) 1575 5581936 navid.falah7@gmail.com Hamburg, Germany

EDUCATION

- **M.Sc. in Human-Computer Interaction**, University of Siegen, Germany (Start: Spring 2025)
- **B.Sc. in Computer Science**, Amirkabir University of Technology (AUT), Tehran, Iran (September 2020 – July 2024)
  GPA: 16.56/20
- **High School**, National Organization for the Development of Exceptional Talents (Sampad), Iran (2017 – 2020)
  Graduation Score: 18.39/20

WORK EXPERIENCE

- **University of Seville** - Machine Learning Engineer and NLP (June 2024 – January 2025, 8 months)
  Research in Data Science Deep Learning with a focus on NLP and Transformer models (e.g., BERT). Published two Q1 papers (Impact Factor: 10).
- **NORC Lab, Amirkabir University of Technology** - Data Analyst (April 2024 – June 2024, 3 months)
  Analyzed career paths of graduates, web scraping with Selenium, developed ML models for data analysis.
- **Mahsan** - Software Engineer (January 2023 – April 2024, 1 year 4 months)
  Developed backend systems, performance benchmarking, CI/CD-based tests for secure file transfers.
- **Hamgram** - Software Engineer (July 2022 – January 2023, 7 months)
  CTO, Web scraping, API integration, developed an Instagram analytics platform.
- **Synapps** - Software Engineer (December 2021 – July 2022, 8 months)
  Web scraping and automation for medical data processing.

SCIENTIFIC PUBLICATIONS

- **Identifying Circular City Indicators Based on Advanced Text Analytics: A Multi-Algorithmic Approach**
  Impact Factor: 3.5 | University of Seville | Contributed to NLP and ML analyses
- **An Indicator-Based Framework of Circular Cities Focused on Sustainability Dimensions and Sustainable Development Goal 11 Obtained Using Machine Learning and Text Analytics**
  Impact Factor: 10.5 | University of Seville | Research on sustainable cities using ML techniques

TEACHING EXPERIENCE

- **Advanced Programming** - Project Definition and Student Inquiries, Amirkabir University of Technology (AUT), Tehran, Iran (Spring 2024)
- **Artificial Intelligence** - Problem Setting and Evaluation, Amirkabir University of Technology (AUT), Tehran, Iran (Fall 2023)

RELEVANT COURSES

- **Advanced Learning Algorithms – DeepLearning.AI, Stanford University**
  Duration: approx. 34 hours.
  Grade: 99.60
- **Supervised Machine Learning: Regression and Classification – DeepLearning.AI, Stanford University**
  Duration: approx. 33 hours.
  Grade: 92.29
- **Unsupervised Learning, Recommendation Systems, Reinforcement Learning – DeepLearning.AI, Stanford University**
  Duration: approx. 27 hours.
  Grade: 98.80

TECHNICAL SKILLS

- **Programming Languages:** Python (Advanced), C/C++ (Advanced), Java (Advanced), SQL (Advanced)
- **Machine Learning Frameworks:** PyTorch, TensorFlow, Scikit-learn
- **Software Tools:** Docker, Git, Selenium, CI/CD Pipelines, Celery, RabbitMQ, Kubernetes
- **Databases:** MySQL, PostgreSQL, SQLite, MongoDB
- **Web Technologies:** RESTful APIs, Web Scraping, Flask, Django, GraphQL
- **Cloud Platforms:** AWS (Basic), Google Cloud Platform (Basic), Microsoft Azure (Basic)
- **DevOps Tools:** Jenkins
- **Containerization and Orchestration:** Docker, Kubernetes, Docker Compose
- **Message Queues:** RabbitMQ, Kafka
- **Version Control:** Git, GitHub, GitLab
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows

LANGUAGES

- **Persian:** Native
- **English:** Professional working proficiency (IELTS Academic: Overall 7.5)
- **German:** Basic proficiency