Tina Shahedi

Junior Researcher

PERSONAL DETAILS

Date of birth
01-12-1993

Place of birth
Tehran, Iran

Nationality
Iranian

City/residence
Zeist, Utrecht

Email
t.shahedi@uu.nl

LinkedIn profile
https://www.linkedin.com/in/tinashahedii/

GitHub profile
https://github.com/tina-shahedi

COURSES

- Machine Learning with Python - Utrecht University
- Python Programming - Utrecht University
- Become a Data Analyst- LinkedIn
- Text Analysis with Python -Utrecht University
- English for professional spoken - Babel
- MATLAB - Tose'e Higher Education Institute
- GAMS - Tose'e Higher Education Institute
- BPMN 2.0 - Udemy
- Business Analysis -Udemy
- User Story Masterclass -Udemy
- Agile and Scrum -Udemy
- Jira - Udemy
- Git -Udemy
- AWS - LinkedIn

TECH SKILLS

- Python (Advanced)
- R (Advanced)
- Git (Advanced)
- Bootstrap (Intermediate)
- HTML (Intermediate)
- IBM SPSS (Intermediate)
- SQL (Intermediate)
- Tableau (Intermediate)
- Power BI (Intermediate)

SOFT SKILLS

- Problem-solving
- Pragmatic
- Self-discipline

LANGUAGE

- Persian (native)
- English (C1)
- Dutch (A2)

ABOUT ME

After earning my master's degree with distinction in Industrial Engineering and gaining strong knowledge in supply chain processes and planning, mathematics and statistics, I was eager to apply my expertise to real-world problems that touch people's daily life. I completed an internship in business data analysis and then shifted my focus to the data science field. I did two years of interdisciplinary coursework at the University of Tehran, where I developed skills in data analysis, Python programming and machine learning. After moving to the Netherlands, I spent one year as a Junior Researcher, contributing to AI and NLP projects and developing several web applications. In this role, through working on different projects, I developed a diverse range of skill sets. Recently, I have focused more on Information Technology infrastructure and development operations, to contribute to technological advancements.

EDUCATION

M.Sc. in Industrial Engineering ● University of Tehran ● 09/2019- 09/2022
GPA: 18.42/20 (4/4); **Thesis Grade**: 20/20 (4/4)
Ranked 41st In the nation Iranian university entrance exam among more than **8600 participants**.
Thesis: Designing a novel supply chain network for the tire industry
Selected Courses: Computer simulation, Mathematical modeling & optimization, operations research, Fuzzy Sets Theory and its Applications in Decision Making, Queuing Systems & Markov chain.

B.Sc. in Applied Mathematics ● K.N.Toosi Univeristy of Technology ● 09/2013- 09/2018
Last 3 years GPA: 16.13/20 (3.35/4)
Selected Courses: Probability , Mathematical Statistics, Stochastic Processes, Operation Research, Computer & Programming(C++ & Java), Advanced Python Programming, Mathematical Softwares.

Coursework

IT Trainee ● Motopp ● 03/2025- Present - Amsterdam, The Netherlands
By participating in the Motopp traineeship, I gained a deep understanding of IT fundamentals, including the different roles, interactions, and performance metrics. Acquiring skills tailored for roles like data analyst, software developer and tester, I also explored the relationship between business and IT. Throughout, I have been exposed to and have gained a solid understanding of Python, FastAPI and SQL.

Comprehensive Data Science Specialization ● University of Tehran ● 09/2021 - 09/2023
Completed a comprehensive 350-hour data science program, focusing on machine learning, business intelligence, AI, Python programming, cloud computing, and data warehouse. **(view the credential)**

WORK EXPERIENCE

Junior Researcher ● Utrecht University ● 10/2023 - 11/2024 - Utrecht, The Netherlands
My work as a Junior Researcher at Utrecht University solidified my programming and data analysis abilities. Among my key achievements:

- Created Python materials for Utrecht University's Machine Learning with Python Summer School 2024.
- Built an R Shiny App to visualize 3,600+ AI course datasets for academic planning.
- Developed RMarkdown dashboards for research purposes.
- Applied mixed-effects logistic regression to evaluate human annotation reliability in NLP.
- Helped develop a novel hybrid machine learning model with Monte Carlo dropout in deep learning.
- Assessed Generative AI's impact on ADS master's program learning goals and evaluation integrity.

Research and Teaching Assistant ● University of Tehran ● 11/2020- 01/2023
Mentored over 20 M.Sc. students in supply chain modelling, operations research, and production planning, assisted over 50 students in a fuzzy mathematical programming course, and supported research studies by conducting advanced statistical analyses using various programming languages. Among my key achievements:

- Designed a dual-channel supply chain network with stochastic demands
- Designed a Green Closed-Loop Supply Chain Network for the automotive tyre industry under uncertainty.

Research Development Specialist ● IMIDRO ● 06/2022- 09/2022 - Tehran, Iran
As a Research and Development specialist, I conducted comparative scientific studies to evaluate the performance of key Iranian mining industries. Among my key achievements:

- Investigated the company's performance and identified areas for improvement.
- Benchmarked productivity metrics for improving production productivity indexes, focusing on selecting appropriate productivity measurement methods across five sectors.

Business Data Analysis Intern ● Behsazan Farda ● 11/2021- 02/2022 - Tehran, Iran
Developed a business plan for designing asset management and financial consulting software on a web application platform. Among my key achievements:

- Applied data-driven insights to improve FinTech product development, designing business models supported by comprehensive market analysis and analytics.
- Collaborated on the Fintech project, particularly in refining its business plan through data analysis.
- Designed a value proposition canvas and a business model canvas, supported by feasibility studies and market analysis.
- Engaged in wireframe design and product analysis, utilizing data analytics to inform decision-making and product development in the Fintech project

Publication

- Mohammadi, H., **Shahedi, T.**, Mosteiro, P., Poesio, M., Bagheri, A., & Giachanou, A. (2025). Assessing the Reliability of LLMs Annotations in the Context of Demographic Bias and Model Explanation. In Proceedings of the GeBNLP Workshop at ACL 2025.
- Mohammadi, H., Rahmati, M., **Shahedi, T.**, Novel Approaches in Financial Fraud Detection: Hybrid Machine Learning and Uncertainty-Based Deep Learning, 2024.
- Rezaei, A., **Shahedi, T**., Aghsami, A., Jolai, F., & Feili, H. (2022). Optimising a bi-objective location-allocation inventory problem in a dual-channel supply chain network with stochastic demands..
- **Shahedi, T.,** Aghsami, A., Rabani, M, (2022).Designing a Green Closed-Loop Supply Chain Network for the automotive tire industry under uncertainty.

Teaching

University of Tehran ● Advanced Production Planning ● 09/2022- 01/2023 - Tehran, Iran
Mentoring over 20 M.Sc. students, providing feedback, and grading their projects.

University of Tehran ● Fuzzy mathematical programming● 11/2020- 01/2023 - Tehran, Iran
Serving as a teaching assistant for a fuzzy mathematical programming course, focusing on practical applications and guiding projects for over 50 M.Sc. students.

Service Activities

Iranian Fuzzy Systems Association● Peer Reviewer● 10/2022- 01/2023 - Tehran, Iran
Reviewed submissions and provided feedback for academic articles in the domain of fuzzy systems.

BNAIC2024 ● Conference Organizer● 10/2022- 01/2023 - Utrecht, The Netherlands
Organized and managed conference website.

References

- Dr. Ayoub Bagheri, an expert in AI and NLP tools & associate professor at Utrecht University, a.bagheri@uu.nl
- Dr. Anastasia Giachanou, an expert in Python programming and data analytics & assistant professor at Utrecht University, supervised my work on developing Python practicals for the machine learning summer school course 2024, a.giachanou@uu.nl
- Dr. Seyed Ali Torabi, an expert in Operations and Supply Chain Management & full Professor at University of Tehran, satorabi@ut.ac.ir