



ZAHRA ALAVI

Industrial & Sustainability Engineer | Passionate about Data, ESG, and Supply Chain

CONTACT



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09119 Chemnitz.



Date of Birth: June 14, 1989

LANGUAGE SKILLS

- Persian: Native
- English: B2 (IELTS 6.5)
- German: B1

HOBBIES AND INTERESTS

- Reading Books
- Writing
- Handpan Playing
- Drawing and Painting
- Watching Series
- Table Tennis Playing

PROFILE

Master's student in Advanced Green Engineering and Sustainable Management with a solid background in Industrial Engineering. Proficient in analyzing energy, production, and sustainability data using tools such as Excel, KNIME, Python, and MySQL. Passionate about corporate sustainability, circular economy, ESG reporting, and responsible innovation. Eager to apply data-driven insights to improve sustainability performance and supply chain transparency.

ACADEMIC EDUCATION

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| Master's Degree in Advanced Green Engineering and Sustainable Management | 2023-present |
| Westsächsische Hochschule Zwickau | |
| Master's Degree in Industrial Engineering – Socioeconomic Systems | 2013 - 2016 |
| Mehr Astan University–Guilan,Iran | |
| GPA: 1.6 | |
| Bachelor's Degree in Industrial Engineering – Planning and Systems Analysis | 2008 - 2012 |
| Andishmand University, Iran | |
| GPA: 2.1 | |

PROJECT

- Ongoing Personal Project: Analyzing and managing data using SQL on a specific dataset to enhance my understanding and proficiency with SQL commands.
- Personal Project: Analyzing the energy dataset in terms of sustainability using Excel.
- University Project in the course Analytics for Data-Driven Decisions: Using KNIME and Power BI for data analysis and visualization to support data-driven decisions.
- University Project in the context of Green Engineering - Scientific Foundation & Technologies: Investigating AI and Machine Learning applications in waste management through a case study of waste data analysis in Singapore using Python.

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PERSONAL TRAITS

- Adaptable
- Curious
- Collaborative
- Friendly

REFERENCES

Prof. Dr. Stefan Zigan

Head of the faculty of physical
Engineering/Computer Science

Westfälische Hochschule Zwickau

Phone: +49 375 536 1529

Email: Stefan.Zigan[at]fh-zwickau.de

Dr.Abbas Mahmoudabadi

Director of the Master's Program in
Industrial Engineering, Mehrastan
University

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Dr.Mohammadjavad Hosseinpoor

Faculty Member and Assistant Professor in the
Department of Computer Engineering, Estahban
Branch, Azad University, Iran

Email : hosseinpoor.mohammadjavad@gmail.com

EXPERIENCE

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|---|-------------|
| Planning and Production Manager at Farakalan Ghetee, Auto Parts Company, Alborz, Iran | 2021-2022 |
| Mathematics Teacher at Sogand High School, Alborz, Iran | 2019-2021 |
| Teacher for Hyperactive and ADHD Students at Tahzib Boys' Secondary School, Alborz, Iran | 2018 - 2019 |
| production Systems Analyst (Internship) — Nooshin Company | 2015-2016 |
| Private Mathematics Tutor | 2012-2018 |

CERTIFICATIONS

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| Certificate in International Trade and Commerce | 2022 |
| Certificate as Python Junior Data Scientist | 2021 |
| Certificate for the paper "A Hybrid Model of Multi-Criteria Decision-Making Techniques for Evaluating Manufacturing Systems Based on Manufacturing Strategies" | 2016 |
| Certificate in the MSP Project from the Tehran Institute of Technology, Iran | 2011 |

PUBLICATION

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| Alavi, S.Z., Mahmoudabadi, A., & Safari, M. (2016). Ein hybrides Modell multikriterieller Entscheidungstechniken zur Bewertung von Fertigungssystemen auf Basis von Produktionsstrategien. Presented at the 4th International Conference on Engineering and Humanities, Ukraine. (Published) | 2016 |
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