

Joelle Karadsheh

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EDUCATION

Technical University of Munich , Munich, DE	July 2027
Current Exchange Semester at Università della Svizzera italiana , Lugano, CH	January 2027
<i>M.Sc. Management and Technology</i> (operations & supply chain management, industrial engineering)	
Constructor University (Jacobs University) , Bremen, DE	June 2025
<i>B.Sc. Industrial Engineering and Management</i> (Final GPA: 1.41)	
Amman Baptist School , Amman, JO	June 2022
<i>A-Levels</i> (Final GPA: 96%)	

WORK EXPERIENCE

AI Workflow Developer (Working Student) at demi Technologies, Munich, DE

May 2026 - July 2026

- Co-developed agentic multi-agent workflows on top of demi's knowledge base, using LLM agents and prompt/context engineering to automate market and sales tasks.
- Built agents for market research and target group analysis, turning company and market data into structured insights for go-to-market decisions.
- Automated marketing content creation with agents that generate social media posts based on the knowledge base and target group insights.

Industry Project: Agentic AI System developer at BMW, Munich, DE

October 2025 - February 2026

- Developed an interactive agentic AI system through an API, integrating SQL data retrieval, predictive modeling, and automated decision logic.
- Designed a user-facing interface using Streamlit, enabling dynamic interaction with data and AI-driven insights.
- Built a modular architecture to support scalable analysis and real-time decision support.

Process Optimization Intern at Forvia, Bremen, DE

August 2024 - December 2024

- Led a cross-functional cost optimization initiative, evaluating production models and delivering executive-level recommendations that boosted operational efficiency by 60%.
- Redesigned decentralized "milk run" logistics, resolving bottlenecks and optimizing routes, reducing transport costs by 50% and idle time by 40% with executive-approved implementation.
- Achieved six-figure annual savings by overhauling legacy production workflows through as-is/to-be analysis and cost modeling, securing C-suite approval with data-driven presentations.

Teaching Assistant at Constructor University, Bremen, DE

September 2023 - December 2024

Logistics & supply chain management (Prof. Dr. Stanislav Chankov), Industrial engineering (Prof. Yilmaz Uygun)

- Provided focused mentorship and feedback on projects and presentations, enhancing student academic performance.
- Streamlined the understanding of topics such as strategic sourcing, operations research, procurement and process modeling in weekly tutorials.
- Graded more than 90 operational research assignments/exams, and 80 process modeling reports accurately and fairly, providing feedback to students.

LEADERSHIP/VOLUNTEERING EXPERIENCE

Music Club Leader at Constructor University, Bremen, DE

August 2023 - January 2025

- Spearheaded the management of the music club, overseeing financial operations to fund instruments and other essential resources, ensuring the club's continued success and stability.
- Delegated tasks and responsibilities to club members, by dividing the club into smaller committees, improving communication and fostering a collaborative environment.

Volunteer Math Tutor and Peer Mentor at Constructor University, Bremen, DE

August 2022 - January 2025

- Supported refugee children in learning math, adapting lessons to their individual needs and overcoming language challenges.
- Completed a two-week intercultural training programme to prepare for mentoring, strengthening cultural awareness, leadership, communication and conflict resolution skills.

PROFESSIONAL SKILLS

- Technical Skills:* Visual Studio Code, Git, Claude Code, Python (Jupyter Notebook), Microsoft Office, LLM Agents, Any Logic, OnShape (CAD), SQL, Statistics with R, Power BI, Causal Machine Learning, Figma, Streamlit UI.
- Languages:* Arabic (Native Proficiency), English (C2), German (B2.1)