

Ali Khagan

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Status: Permanent Resident (Niederlassungserlaubnis) – No sponsorship required



Education

Oct 2021 – Sep 2023
Heilbronn, Germany

Master in Management (M.Sc.)
Technical University of Munich (TUM)

- Authored master’s thesis on CSR strategies in German family firms; awarded grade: **1.3 (Sehr Gut)**.
- Led a data science project analyzing 100,000+ airline customer records; uncovered behavioral insights to enhance retention strategy.
- Developed a Python-based coupon targeting model as part of the Schwarz IT analytics challenge, applying segmentation and predictive analysis.
- Completed an interdisciplinary program focused on Strategy, Financial Analysis, and Business Analytics, emphasizing data-driven decision-making.
- **Panel Speaker** at TUM Career Factory 2024, advising 200+ students on strategic career paths, market trends, and employer expectations.

Sep 2017 – Jun 2021
Ankara, Turkey

Bachelor in Electrical and Electronics Engineering (B.Sc.)
Bilkent University

- Awarded full merit-based scholarship covering tuition and accommodation (**valued at €59,000**) for the full duration of studies.
- Designed and built **“Chowkidar” (Smart Security System)** with facial recognition (96% accuracy) using Python, Raspberry Pi, Arduino, and dual wireless connectivity (Bluetooth + Wi-Fi); **Grade: A– (German equivalent: 1.3)**.
- Completed coursework in embedded systems, robotics, control systems, and stochastics, with applications in data analysis and system modeling.
- Winner of NASA’s International Space Settlement Design Competition (ISSDC) held in Kennedy Space Center USA.
- Awarded **Social Activities and Awareness Award** in 2021 for founding and managing Humans of Bilkent student magazine, creating a platform that connected students during COVID-19 and garnered 100,000+ views.

Professional Experience

April 2023 – Present
Niedernhall, Germany

Strategic Assistant to the CEO
Würth Elektronik ICS

- Selected for the **Würth Potential Program**, a global high-potential leadership initiative focused on commercial acceleration and enterprise transformation; **one of 20 participants chosen across 400 Würth companies**.
- Recognized with the **CEO’s Appreciation Award** for leading cross-functional initiatives in ESG, AI, and compliance, driving measurable impact across European and North American operations.
- Defined the strategic roadmap and led rollout of Würth’s first **Functional Safety & Cybersecurity framework** (ISO 26262 / 21434), closing engineering-process gaps across **EBTs, BMS, and safety controllers**, and enabling readiness for future safety certifications.
- Developed and deployed an **AI-powered audit automation tool** using SBERT + LLaMA 3 on local compute, reducing ISO/IATF norm mapping effort by **60%** and increasing audit readiness across compliance functions.
- Led Scope 3 emissions automation by deploying a Power BI–based infrastructure in partnership with IT and finance, improving carbon calculation consistency and reducing reporting cycle time by **40%**.
- Drove a **20% reduction in the company’s carbon footprint**, contributing to a **91st percentile EcoVadis Silver rating** and improving ESG visibility for clients, partners, and investors.
- **Founded and chaired the corporate Sustainability Board**, aligning executives across functions and geographies to define ESG KPIs, governance structures, and long-term strategic direction.
- Launched the company’s **first global deployment of CMRT and EMRT compliance reporting**, enabling traceability of conflict minerals and enhancing regulatory alignment across supplier ecosystems.
- Achieved **90%+ supplier ESG compliance** by deploying IntegrityNext and coordinating TÜV Rheinland–certified requalification training, improving transparency across the supply chain.
- Standardized ESG KPI reporting across **four countries** (US, UK, France, Bulgaria), enabling unified executive dashboards and accelerating data-driven decision-making at the leadership level.
- Presented Würth’s ESG supplier strategy as a **keynote panelist** to an audience of **400+ partner companies** following significant performance improvements and recognition at headquarters.
- **Mentor two trainees and supervise one working student**, supporting capability development in AI, ESG, and compliance through hands-on project leadership and structured guidance.
- Drove international sales alignment through **management visits to ICS USA and France**; engaged Liebherr on design-in opportunities for future machine platforms and joined Volvo executive reviews on account performance.

Apr 2022 – Mar 2023
Heilbronn, Germany

Product Development Associate
Wandwall PLC

- Directed market research and conducted 35+ stakeholder interviews to identify new business opportunities and guide product development, ensuring alignment with customer needs, technological feasibility, and commercial viability.
- Led a cross-functional team to design and prototype an AI-enabled Smart Mirror MVP, applying Lean Startup and Design Thinking principles, reducing maintenance costs 35%, increasing sales potential 4x, and overseeing business model strategy, pricing, and customer acquisition.
- Implemented data-driven strategies to optimize product-market fit, refine features, and accelerate scalable growth, ensuring the MVP met strategic, commercial, and customer-oriented objectives.

Dec 2021 – Sep 2023
Heilbronn, Germany

Research Assistant | Part-Time
Technical University of Munich Global Center for Family Enterprise

- Researched and designed CSR research surveys for SMEs, enriching the empirical foundations of ongoing research projects.
- Developed an automated system using Python to expedite the literature research process, saving time required for data analysis.

Skills & Interests

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|-------------------------|----------------------|-------------------------|-------------------------------|
| • Microsoft Word | • Microsoft Power BI | • Matlab | • Project Management |
| • Microsoft Excel | • C++ | • Polaron | • Generative AI |
| • Microsoft Power Point | • Python | • Jira | • Financial Analysis |
| • Product Management | • SQL | • ABAS ERP | • Use-Case Development |
| • Machine Learning | • MDS Reporting | • SAP | • Cross-functional Management |
| • Data Analytics | • GRI Reporting | • Investment Management | • Data Management |

Languages

- English: Full Proficiency
- German: Telc B1 Passed with ‘gut’ (249/300)

