Ahmad Sidaoui

Data Scientist / Data Engineer

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WORK EXPERIENCE

Jan 2025 – Present

Senior Data Scientist | Weatherford, Baden, Austria

▪ Designed and deployed ML models improving production forecasting and anomaly detection, reducing project turnaround times by 25%.
▪ Implemented BI solutions for SCADA tools in Oman, including a real-time visualization room that enabled engineers to monitor daily production, reducing deferment and boosting profitability.
▪ Partnered with technical sales teams as SME, showcasing ML workflows and data pipelines in client demos, helping secure high-value contracts.
▪ Built interactive dashboards in PowerBI and Spotfire, accelerating decision-making for engineering teams.

Aug 2023 – Dec 2024

Data Scientist / Implementation Engineer | Datagration, Austria

▪ Developed ESG-focused workflows consolidating recycling data from multiple sources into unified dashboards, enabling efficient tracking of recycled materials.
▪ Streamlined reporting processes that increased productivity and attracted large-scale customers, including Walmart.
▪ Optimized machine learning pipelines to enhance production optimization models, improving predictive accuracy by 15%.
▪ Collaborated directly with clients in technical workshops to align solutions with business objectives.

Jul 2022 – Jan 2023

Lab Assistant (Research & Administration) | TU Wien, Vienna, Austria

▪ Assisted research at the Applied Interface Research Centre.
▪ Supported administration tasks and contributed to lab analysis workflows.

Feb 2022 – Jul 2022

Contractor | OMV, Austria

▪ Conducted lab experiments for chemical solution optimization.
▪ Evaluated alkali-polymer interactions and fluid behavior for EOR processes.
▪ Provided analytical reports improving chemical formulations.

Nov 2021 – Dec 2021

Lab Assistant | Montanuniversität Leoben, Austria
▪ Supported interdisciplinary reporting and data analysis.

Feb 2021 – May 2021

R&D Intern | OMV Austria Exploration & Production GmbH, Gänserndorf

▪ Contributed to Alkali-polymer EOR Project, evaluating rock-fluid interactions.

2017 – 2018

Structural Engineer Intern | Hala El Jakal Contracting Office, Lebanon

▪ Supervised site operations, reinforced concrete placement and AutoCAD designs.

STACK
Python (main), SQL (main), C++, Object-Oriented Programming, Spotfire, PowerBI, Tableau, Airflow, ETL/ELT, Docker, Linux, MATLAB, Tkinter, Machine Learning, Data Pipelines, Data Visualization, Git, SAP, Excel, AutoCAD

EDUCATION
2024 – 2027 | Master's in Artificial Intelligence | Johannes Kepler Universität Linz, Austria

2019 – 2022 | Dipl.-Ing. in Petroleum Engineering | Montanuniversität Leoben, Austria

2014 – 2018 | Bachelor of Engineering in Civil Engineering | Beirut Arab University, Lebanon

ADDITIONAL INFORMATION
Languages: Arabic – Native | English – Full Professional | French – Full Professional | German – Elementary | Italian – Elementary

Certifications: AWS Certified Cloud Practitioner (Planned 2025), DAX Workshop, Python GUI with Tkinter, MATLAB Mastery, ETABS Design

Publications: Physics-Informed Reinforcement Learning (Production Optimization), Machine Learning Driven Problem Detection

Achievements & Hobbies: Published research in AI for petroleum engineering; Developed in-house front-end and back-end monitoring tools that optimized data pipelines and improved team productivity; Snowboarding, tennis, and kitesurfing.