# Noureddine Darraz

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## EDUCATION

**FOM University of Economics and Management**  Duesseldorf, Germany
- BSc in Business Informatics, | GPA: 1.3/1  2023 – Present

## WORK EXPERIENCE

**Deutsche Telekom Technik GmbH**  Dortmund, Germany
*Business informatics Dual Student (DevOps / Software engineer)*  June 2025 - Present
- Designed and implemented **microservice-based automation** platforms using **FastAPI, Vuejs and PostgreSQL,** reducing manual ticket handling by 85%
- Re-engineered a critical Node-RED flow into a fully production-grade FastAPI service, improving reliability, scalability and maintainability
- Built and deployed **containerized applications** using **Docker** and automated CI/CD pipelines in **GitLab**,
- integrated monitoring and alerting with **Grafana**, **Camunda**, and custom REST endpoints for real-time workflow visibility.

**T-Systems**  Singapore**,** Singapore
*Data and Ai Analyst Intern (Data Engineer)*  Jan 2025 – April 2025
- Developed an **end-to-end automation and data visualization tool** in **Python**, increasing decision-making efficiency through live analytics dashboards.
- Collaborated with a **Senior Data Engineer** on **Azure Cloud data pipelines**, focusing on orchestration, data flow optimization, and scalability.
- Applied **Scikit-learn, Pandas, and NumPy** for model prototyping and performance analysis within production-grade environments.
- Contributed to cross-functional projects, gaining exposure to **cloud-native architectures**, **AI integration**, and **data-driven product lifecycle management**.

**Deutsche Telekom Technik GmbH**  Dortmund, Germany
*Business Informatics Dual Student (DevOps)*  Sep 2023 – Jan 2025
- Supported the **DevOps development of a cloud-native 5G Standalone (5G SA) network**, integrating **EPC and IMS components**.
- Conducted **root-cause analysis and troubleshooting** of distributed network systems using **Wireshark, NetScout**, and **Grafana dashboards**.
- Assisted in **container orchestration** and deployment pipelines using **Kubernetes** and **Docker**, ensuring system scalability and uptime.

## PROGRAMMING PROJECTS

**Task manager - private project**  | VueJS | FastAPI | PostgreSQL |
- Developed and deployed a full-stack web application with JWT-based authentication and role-based access

**Telekom Customer Churn Prediction – E2E ML private project**
- Developed ML pipeline achieving 84% accuracy, Random Forest on 7K+ records  | Python | scikit-learn | Numpy |

**Automated species Classification – private project**  | Python | scikit-learn | Numpy |
- Built intelligent Classification System achieving 95%+ accuracy using python/scikit-learn

**Snake game – private project**  | Python | Numpy |
- Built a Game where do you try to make the snake as big as possible by eating fruits

## SKILLS & INTERESTS

**Programming:**  Python, R, Jupyter, Linux, Kubernetes, Grafana, Java/Script, C, HTML, CSS, React, Vue, FastAPI, PostgreSQL, Docker, Selenium

**Languages:**  German (native), Moroccan/Arabic (native), English (fluent), Spanish (CEFR B1)

**Interests:**  machine learning, innovation, soccer, lifting

## EXTRACURRICULAR

**Soccer coach partner, Holzwickeder SC**
**Organizing the so-called transfer day (**Networking event for students of the Deutsche Telekom)