ROU'A ALTAMIMI

AI Engineer | Machine Learning Specialist

23.FEB.1999

Düsseldorf, Germany (Open to relocation)

Email: roaata9@gmail.com | Phone: +49 176 81283539

 LinkedIn | GitHub

PROFESSIONAL SUMMARY

Results-driven AI Engineer with 1+ years of hands-on experience in machine learning and RAG systems. Proven track record of improving system performance by 40% and delivering production-ready AI solutions. Seeking to leverage expertise in Python, machine learning, and scalable AI systems to drive innovation in technology companies.

PROFESSIONAL EXPERIENCE

Junior Technical & MENA GTM Associate (Part-time)
Neuralex Workflow Revolution, Düsseldorf, Germany   *September 2025 – Present*

- ❖ Improving the company's website's design, functionality, and UX to deliver better user experience.
- ❖ Developing prototype AI chatbots and integrating them with ML services through webhook connections.
- ❖ Collaborating with the technical team to refine ML pipeline integrations and support product development.
- ❖ Driving MENA go-to-market efforts by pitching AI solutions and aligning technical capabilities with regional needs.

AI Engineer (Part-time)
Medus Praxis, Düsseldorf, Germany   *December 2024 – July 2025*

- ❖ Built RAG system from scratch using FAISS vector database for medical data retrieval
- ❖ Implemented vector embeddings optimization that improved data retrieval speed by 40%
- ❖ Developed backend services using Python Flask for healthcare applications
- ❖ Created RESTful APIs with caching strategies to improve system performance
- ❖ Built data processing pipelines for healthcare information using Python libraries

QA Testing Workshop   *September 2023 – October 2023*
EFE Training Program, Princess Sumaya University for Technology

- ❖ Learned testing methodologies including manual and automated testing using Jira and Postman
- ❖ Practiced with Selenium and Cypress for automated testing workflows in training environment
- ❖ Completed hands-on exercises in test case design, bug reporting, and API testing

CERN Summer Student Internship | Geneva, Switzerland   *June 2021 – August 2021*

- ❖ Published research report in CERN Repository contributing to scientific documentation
- ❖ Enhanced CMS open data workflows using Python scripting and Linux environments
- ❖ Contributed to open-source repositories including AOD2NanoAODOutreachTool and MuonCorrectionsTool
- ❖ Created automated data processing solutions with Python and GitHub workflows

TECHNICAL EXPERTISE

Programming & AI: Python (Advanced) • Machine Learning • Deep Learning • RAG Systems • FAISS Vector DB
Frameworks & Libraries: Flask • PyTorch • TensorFlow • scikit-learn • Hugging Face • LangChain
Data & APIs: NumPy • Pandas • REST APIs • JSON • MongoDB • SQL
Tools & DevOps: Git • Docker • Jupyter • VS Code • GitHub Actions • Linux

Soft Skills:

•Cross-functional collaboration • Problem-solving • Technical communication

KEY PROJECTS

DeepFake Detection System (Course Final Project)
Academic Project: Computer Vision course capstone demonstrating CNN-Capsule Network implementation
Technical Achievement: Successfully combined transfer learning with anomaly detection techniques
Results: Achieved 93% accuracy on course-provided synthetic media datasets
Technologies: Python, PyTorch, Computer Vision, Transfer Learning

CMS Open Data Analysis (CERN Contribution)
Academic Research: Enhanced data processing workflows using Python for particle physics analysis
Technical Work: Created Python scripts for data transformation and scientific computing
Development: Implemented continuous integration using GitHub Actions with Python testing
Technologies: Python, GitHub Actions, Scientific Computing, Linux

EDUCATION & CERTIFICATIONS

Bachelor of Software Engineering | Jordan University of Science and Technology   *February 2018 – May 2022*
Relevant Coursework: Data Structures • Algorithms • Database Systems • Software Architecture
Graduation Project: MindClinic - Developed Python backend services for university mental health platform prototype

Professional Certifications:

❖ Artificial Intelligence A-Z: Build 7 AI + LLM & ChatGPT (Udemy, 2024)
❖ Machine Learning Engineering (Zaka Academy, 2023)

LANGUAGES

German: B1 (Intermediate) | English: Proficient | Arabic: Native

KEY ACHIEVEMENTS

✓ 40% improvement in data retrieval speed through FAISS optimization
✓ Published research in CERN Repository during summer internship
✓ Built production-ready RAG system from scratch for healthcare application
✓ Open-source contributions to particle physics data analysis tool