Lamees Kadhim

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Data Science | Machine Learning | Cloud | IaC | MLOps

AI Data Engineer with a Master's in Computer Science and a strong background in designing and automating ML pipelines. Experienced in MLOps, cloud infrastructure (Azure), and deploying LLM and NLP models for real-world applications. Skilled in Python, PyTorch, Hugging Face, Terraform, and Azure ML.

Education

M.Sc. Computer Engineering - *Duisburg-Essen University, Duisburg-Germany*
September 2019 - November 2022 (Grade: 1.3)

B.Sc. Computer Engineering – *Baghdad University, Baghdad-Iraq*
Graduation: July 2012 (Grade: 89.5 %)

Work Experience

Adesso SE – *Essen, Germany* April 2022 – now
ML engineer

- Implemented Cloud MLOps infrastructure to support scalable, production-ready AI workflows
- Built CI/CD pipelines using Jenkins, Docker, and Terraform templates
- Designed Azure ML pipelines for data preprocessing, model training, prediction, and monitoring
- Supported Data Scientists in model deployment and conducted unit testing

Delta Tecknick Company – *Sulymaniyah, Iraq* November 2016 – January 2018
IT Engineer

- Managed IT systems and website/GPS panel
- Configured GPS devices and provided staff training
- Performed troubleshooting and IT support tasks

LLS Group Co. – *Baghdad, Iraq* April 2014 – August 2015
.Net Software Developer and Test Centre Administrator

- Developed ASP.NET web applications and handled test center administration
- Provided IT support for server and client systems

University of Baghdad - *Iraq, Baghdad* September 2012 – July 2013
Software developer and Tutor

- Developed a .NET/SQL Server-based exam committee system
- Assisted in labs for Networking, Control, and Electronics

Projects

Master thesis: Effective Interest based Recommendation using Embedding

- Designed and implemented NLP pipelines to build user interest profiles and content-based recommender systems.
- Integrated keyword extraction (SingleRank, SifRank), sentence embeddings, and semantic enrichment (DBpedia Spotlight, Wikipedia API).
- Technologies: Python, Django, PostgreSQL, Transformers, NLP, DBpedia, sentence-transformers.

News Credibility Prediction (Master Practice Project)

- Developed NLP models to assess the credibility of news sources using ML and BERT
- Led data scraping, preprocessing, and model experimentation, deploying models with Azure Machine Learning Studio.
- Technologies: Python, Azure ML, Sklearn, Spacy, Beautiful Soup, BERT.
- Built NLP pipeline to classify news articles into 5 credibility categories using both traditional ML and Deep Learning (e.g., BERT, XGBoost, SVM).

Student Admission Prediction project:
A project to predict the probability of admission to graduate degree programs using the profile of the student. The project was part of the learning analytics course during my master study.
Programming language: **Python**.

Certificates and courses

- 2025: AWS solution architect associate course.
- 2021: Microsoft Azure Data Scientist Associate
- 2016: Project Management Principles and practices (Online course, California University)

Professional skills

- Programming: Python, C#
- Cloud & DevOps: Terraform, Jenkins, Docker, Azure, AWS CDK
- ML & MLOps: PyTorch, Hugging Face, Azure ML, CI/CD, monitoring
- LLMs & Retrieval: RAG pipelines, sentence-transformers, semantic search, Hugging Face Transformers
- Databases: SQL, PostgreSQL
- Tools: Jira, Git, Microsoft Office

Languages

- English (C1)
- German (B2)
- Arabic (Native)