Abdulmalik Alquwayfili

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🔗 Portfolio

PROFILE

Passionate information systems student with a strong foundation in programming, data science and artifical intellegence. Committed to leveraging advanced technologies, including AI and SOTA tools to develop data-driven solutions that optimize decision-making and improve business performance. Excited to apply analytical and technical skills to real-world challenges, contributing to innovative projects, and driving meaningful insights.

EDUCATION

Reinforcement Learning, CS234, *Stanford University* — Nov 2025

Bachelor of Information Systems, *Imam Mohammed Bin Saud Universty* — Sep 2025

EXPERIENCE

Tahakom · NLP Department, *AI Developer Intern* 🔗 — Jul 2025 – present

COOP trainee joining a newly established NLP department, contributing to projects in **text and speech processing, generation, and understanding** based on team assignments and evolving project priorities.

Muragib, *Machine learning Enginner* 🔗 — Mar 2025 – May 2025

- Trained, fine-tuned, and evaluated 10+ open-source BERT-based models (e.g., CAMeL BERT, AraBERT), achieving over 90% accuracy with <60ms latency, optimized for real-time applications.

- Developed and deployed advanced machine learning models for a wide range of NLP tasks, including sentiment analysis, sarcasm detection, location distribution analysis.

- Built scalable, AI-powered analytics systems that deliver actionable insights from unstructured text, empowering business stakeholders to make fast, data-driven decisions.

وعي | Wae, *Research And Development Engineer* 🔗 — Nov 2024 – Mar 2025

- Designed, developed, and deployed AI-based solutions for hands-on workshops and internal tools, directly impacting over 150 employees and 50+ students.

- Contributed to the design and delivery of educational and technical content, bridging the gap between AI theory and practice in professional settings

- Researched the latest AI tools and technologies to drive innovation.

Microsoft, *Software Developer - Artificial Intelligence VW* — Jun 2024 – Jul 2024

- Developed and deployed an AI model using Azure Machine Learning for intelligent platform services.

- Built an AI-powered computer vision model using Custom Vision to recognize and classify images.

- Conducted data preprocessing and feature engineering for predictive analytics solutions.

SKILLS

Programming languages: Python, Java, JavaScript, SQL, Cuda, PHP, Rust, C++, R

Libraries, tools, and frameworks: Transformers, TensorFlow, PyTorch, Keras, Scikit-learn, React, NLTK, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, FastAPI, OpenAl, CoHere, Ollama, Pydantic, LangChain, , APIs, wandb

DevOps & Environments: Git, Bash, Linux, Ubuntu, Docker, Conda, Jupyter Notebook, Google Collaboration, Postman, Curls, Cursor

Databases: PostgreSQL, MongoDB, Qdrant, ChromaDB, Metabase, supabase, DBeaver, Alembic, SqlAlchemy

Cloud: Digital Ocean, AWS, Alibaba Cloud

Model Architectures: Attention, Transformers, BERT, RoBERTa GPT, RAG, EfficientNet, ConvNeXt, Agentic Al, MCPs, RNNs

COURSES & CERTIFICATIONS

AWS AI & ML Scholars, *AWS & Udacity* 🔗   Jun 2025

Building AI Browser Agents, *AGI, inc* 🔗   Apr 2025

How Transformer LLMs Work, *Deeplearining.AI* 🔗   Feb 2025

LLMOps: Building Real-World Applications With Large Language Models, *Udacity* 🔗   Dec 2024

Finetuning Large Language Models, *Lamini* 🔗   Dec 2024

Open Source Models with Hugging Face, *Hugging Face* 🔗   Dec 2024

Neural Networks and Deep Learning, *DeepLearning.Al* 🔗   Sep 2024

Full Stack Deep Learning, *The Ful Stack*   Dec 2024

Data Analyst, *STC, Virtual Work Experience* 🔗   Jul 2024

Python for Data Science, Al & Development, *IBM* 🔗   Jun 2024

PROJECTS

Quantum Computing Security Research Agent   Jun 2025 – present
Advanced research agent leveraging Model Context Protocol (MCP) for quantum computing security research and cryptographic analysis.

Tools: Cryptography, Python, MCPs, Cursor, Agents

Farqad The Pioneer in Smart Financial Conversations, *GP* 🔗   Dec 2024 – May 2025
Farqad addresses the challenge of simplifying financial management and advice for Arabic and English-speaking users by developing a bilingual RAG chatbot with state of the art models, highly engineered and maintainable code

Tools used: FastAPI, Pydantic, Ollama, ALLaM, Mongo, Qdrant, OOP

PerceiveAl, *AI League Finalist* 🔗   Feb 2025 – Apr 2025
This project aimed at making sports commentary accessible to the deaf and hard-of-hearing. By leveraging cutting-edge Al technologies, PerceiveAl translates live sports commentary into text thedn to sign language using animated avatars

Tools used: SigML, CWASA, NLP, Transformers, JavaScript, ASR

Arabian Sheep Classification, *Kaggle Computer Vision Competition* 🔗   Jun 2025
Scored First in the leaderboard Day One and developed AI system for classifying 7 Arabian sheep breeds celebrating Eid al-Adha heritage, achieving championship-level 96.67% macro F1 score using ConvNeXt deep learning architecture with advanced data augmentation and Test-Time Augmentation techniques.

Tools used: PyTorch, ConvNeXt, torchvision, scikit-learn, pandas, Kaggle API