

Aows Abuhaimed

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PROFILE

Highly motivated Computer Science graduated from King Saud University with a strong foundation in Artificial Intelligence and Machine Learning. Eager to apply in a challenging role in AI/ML where I can contribute to innovative projects and continue to develop my skills.

EDUCATION

King Saud University, 08/2020 – 05/2025 | Riyadh, Saudi Arabia
Bachelor of Science in Computer Science

EXPERIENCE

Machine Learning Engineer, COOP Training 01/2025 – 05/2025 | Riyadh, Saudi Arabia
King Abdullah Institute For Research And Consulting Studies (KAI)

Text Based LLM Fine-tuning & Deployment

Processed English datasets (including PII removal), fine-tuned text-based LLMs with over 250,000 JSON files using training frameworks, and deployed on Google Cloud Platform (GCP) using ollama and vLLM framework.

Vision Based LLM Fine-tuning & Deployment

Managed Arabic image dataset lifecycle (preprocessing, cleaning, PII removal), that included over 15,000 images with text, evaluated vision models, fine-tuned the optimal VLM, and deployed on GCP.

RAG System Development & Deployment

Built and deployed an AI system on GCP for querying and retrieving information from Arabic PDF datasets using retrieval augmented generation.

Liver Tumor Classification Model & Paper

Developed a multi-class model (normal, benign, malignant) using medical images; compared architectures including EfficientNet, ResNet, ViT-16, Inception and achieved a high accuracy with 95%.

PROJECTS

Cybersecurity Compliance Checker Tool (3CT) - Graduation Project

Developed a tool that assesses software source code against National Cybersecurity Authority (NCA) controls. 3CT identifies vulnerabilities and maps them to violated controls, offering insights into security risks and compliance. Built in Python, it leverages SonarQube for static analysis and AI for suggesting code fixes.

OptiLogix: Route Optimizer for Third-Party Logistic Companies

OptiLogix is a unified platform that dynamically optimizes delivery routes by assigning nearby pickups or drop-offs to couriers that're already in route, reducing road congestion and operational costs while maximizing delivery efficiency. Applied K-Nearest Neighbors (KNN) to identify the closest houses, integrated Google Maps API for route optimization, and built the web interface using React.

SKILLS

Technical Skills

- Machine Learning
- Data Preprocessing
- Tools & Frameworks: PyTorch, Scikit-learn, Unsloth
- Programming languages: Python, Java, C
- Google Cloud Platform

Soft Skills

- Teamwork
- Attention to Details
- Self-directed Learning
- Communication
- Time Management

LANGUAGES

- Arabic: Native / Bilingual
- English: Fluent