

Raghad Almangour

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A Computer Science graduate with expertise in data science, machine learning, and AI-driven projects. Skilled in Python, SQL, deep learning, and predictive modeling, with hands-on experience in generative AI, data analysis, and web development. Seeking an AI/data science role to leverage project-based experience and technical proficiency to drive data-driven decision-making and innovation.

WORK EXPERIENCE

Generative AI - Trainee

WeCloudData - Saudi Digital Academy | Aug 2025 – Present

- 520-hour project-based internship focused on developing AI models using Google Colab, Azure GPU, and OpenAI APIs.

Virtual Data Analyst Intern

STC (Via Misk Foundation) | August 2023

- Analyzed 20K+ TV records, built a SARIMA model to forecast watch hours, developed a KNN recommender, and presented insights via data storytelling.

Information Technology Intern

King Fahad Medical City | Mar 2024 – May 2024

- Completed 280-hours of IT Management training.
- Developed a website using ASP.NET and SQL Server.
- Gained a 100% Success rate from the Supervisor.

PROJECTS

Accident Severity Prediction | Jul 2025

- Used TensorFlow on 7.7M US accident records, achieving 79% accuracy with feature engineering and Early Stopping.

Survey Data Mastery in Power BI | Apr 2025

- Analyzed survey data through cleaning, transformation, visualization, and dashboard design for clarity and aesthetics.

Image Captioning Using Deep Learning Frameworks

Imam University | May 2023 – Aug 2023

- Fine-tuned a deep learning model for image captioning (BLEU 0.5) using CV and NLP on 1.5K+ images.

Web Application Project

Imam University | May 2023 – Aug 2023

- Built web application using HTML, CSS, JavaScript, node.js, and MongoDB.

Flight Price Prediction using Machine Learning

Imam University | Dec 2022 – Feb 2023

- Predicted flight prices using KNN and linear regression (97% KNN accuracy).

AI Project Adversarial Search

Imam University | Jun 2022 – Nov 2022

- Compared MIN-MAX and Alpha-Beta algorithms in the XO game, analyzing their performance and efficiency.

Investigate A Relational Database

Udacity | Sep 2022

- Analyzed movie rental database using SQL; extracted insights and improved decision-making by 25%.

EDUCATION

B.Sc. in Computer Science

Imam Muhammad Ibn Saud Islamic University | 2019 - 2024

- Graduation Project - Visionary web application: Built an educational web app using Machine Learning and Generative AI to help medical students interpret chest X-rays. The system generates medical reports, extracts disease and organ data and providing age-based treatment insights.

Udacity

Nanodegree Programming for Data Science | Sep 2022 – Dec 2022

- Completed 4 months in this training course and gained essential data science skills including Python, SQL, and Git.

SKILLS

Python

Libraries: pandas, NumPy, scikit-learn, matplotlib, TensorFlow, PyTorch, Hugging Face

Web Development

Technologies: HTML, CSS, Node.js

Data Science & AI

Concepts: Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI, LLMs, Prompt Engineering

Development Tools

Software: Jupyter Notebook (Anaconda), Visual Studio Code, Git/GitHub, Microsoft Office

Programming

Languages: Java, JavaScript

Databases

Tools: MongoDB, MySQL

Data Analysis & Visualization

Processes: EDA, Data Cleaning, Descriptive Statistics, Power BI, Tableau, Excel

CERTIFICATION

- AI Fundamentals Guided Learning with Capstone, IBM (July 2025)
- Data Fundamentals with Capstone Project, IBM (Jun 2025)
- The Advanced Pathways in AI, SDAIA (Nov 2024)
- HCIA-AI V3.5 Course, HUAWEI (Aug 2024)
- Predictive Analytics Modeler, IBM (Dec 2023)
- Data Science and AI, Misk, Microsoft (Aug 2023)

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Full Professional Proficiency

ACHIEVEMENTS

Qiyas Test Results: General Aptitude - 90, 94 Standard Achievement Admission