

HESHAM ALSADAN

DATA SCIENTIST & AI

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WORK EXPERIENCE

Tuwaiq Academy : AI Bootcamp Trainee

Sep 2024 - Oct 2024

- Completed 200 hours of intensive training at Tuwaiq Academy, gaining hands-on experience in AI, machine learning, and deep learning.
- [Capstone Project/ AI Focus Analyzer for E-Learning](#) [Github](#)
- Developed an AI platform to analyze student focus during e-learning using facial recognition and quiz performance.
- Tools used: MediaPipe, OpenAI GPT-3.5, Whisper, Streamlit.

SDAIA: Data Science and AI T5 Bootcamp Trainee

Mar 2024 - Jun 2024

- Completed 360 hours of intensive training, covering SQL, Python, data analysis, machine learning, deep learning (CNN, RNN), and MLOps.
- [Capstone Project/ Hadir: Management Attendance System](#) [Github](#)
- Developed an automated student attendance system using facial recognition. The system classifies student images into folders and records attendance as students enter the classroom.
- Tools used: YOLO, Keras, Roboflow.

Tuwaiq Academy : Data Science and Machine Learning Bootcamp Trainee

Oct 2023 - Dec 2023

- Completed 200 hours of intensive training, building 5 projects and 50 labs using Python, SQL, Pandas, Tableau, and TensorFlow. Gained expertise in machine learning (SVM, Decision Tree, Random Forest) and deep learning (CNNs).
- [Capstone Project/ Haraf: Your Farming Companion](#) [Github](#)
- Built from scratch, this CNN-based image classification project identifies date types, maturity, grades, and palm tree diseases.
- Tools used: Python, TensorFlow, Plotly Dash.

Personal Development and Family Support

2017 - 2022

- Supported family responsibilities, demonstrating adaptability and organizational skills.
 - Focused on enhancing soft skills like communication and time management.
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EDUCATION

Bachelor's Degree in Computer Science

Sep 2011 - Aug 2016

- King Saud University
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ADDITIONAL INFORMATION

Programming Languages: Python, SQL

Languages: Arabic, English

ML/DL Frameworks: Keras, Scikit-learn, TensorFlow, MediaPip

Tools & Technologies: Streamlit, Roboflow, Kaggle

Core Competencies: Data Analysis, Deep Learning, Problem Solving, Teamwork