Faisal Almasri

Artificial Intelligence – Computer Vision – Deep Learning – Data Science

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SUMMARY

Computer Science graduate specializing in AI and Computer Vision, with experience as a Data Scientist at Wakeb Data. Skilled in building and deploying end-to-end ML pipelines, real-time CV systems, and optimized deep learning models. Strong background in software engineering, problem-solving, and leadership.

EDUCATION

Bachelor of Science in Computer Science 2021 – 2025
Imam Mohammad Ibn Saud Islamic University Riyadh, Saudi Arabia
GPA: 4.61 / 5.0

PROFESSIONAL EXPERIENCE

Data Scientist 03/2025 – 08/2025
Wakeb Data Riyadh, Saudi Arabia
Worked on computer vision projects. Built end-to-end pipelines involving data collection, preprocessing, model development, and deployment. Applied tools for **API integration**, and **containerization** to deliver scalable ML solutions. Gained experience in managing **data workflows**, **deploying models**, and solving real-world problems through practical AI applications.

Management Position 05/2023 – 01/2025
Jarir Bookstore Riyadh, Saudi Arabia
(While I was a student) Developed skills in understanding client needs and providing customized solutions. Strengthened problem-solving, communication, and adaptability in fast-paced environments. Trained and coordinated **20+ employees** throughout my career, ensuring effective onboarding, skill development, and performance improvement.

Instructor 06/2022 – 02/2023
Baims Riyadh, Saudi Arabia
(While I was a student) I designed and delivered content for the CS150 subject, focusing on programming basics and Java syntax. I actively engaged with more than **150+ students** through Q&A and live review sessions to enhance learning outcomes, and I utilized AI tools to assess assignment quality and generate mock exams, significantly improving evaluation efficiency and accuracy.

PROJECTS

Basheer System
The Messanger Of The Right
Developed an MVP product, *Basheer*, solving a high-impact real-time speech-to-text translation problem. Leveraged the SOTA LLM *Allam7B, ASR,TTS, and translator model* , optimized through model quantization for deployment efficiency. Engineered scalable architecture using Pub/Sub and Req/Rep messaging patterns to ensure low-latency, real-time performance across multiple users.

Cameras Management System
Designed and implemented a modular multi-camera system using OpenCV, leveraging a Publish/Subscribe messaging architecture to enable real-time rtsp video streaming to multiple subscribers. Optimized for performance by utilizing a single video stream across multiple endpoints. Integrated support for backup cameras and centralized camera state management.

Graduation Project: Eagle-Eye: AI-Driven System for Detecting Drones
Developed a real-time drone detector for monitoring unauthorized drones in restricted areas. Integrating MOG2 Background Subtractor for motion analysis, fine-tuning YOLO for object detection, And ByteTrack for tracking

CERTIFICATES

CVDL master program, OpenCV
present

Mechatronics Bootcamp, Tuwaiq Academy
01/2025

AI Programming with Python Nanodegree, Udacity

COURSES

Advanced Learning Algorithm, DeepLearning.AI

Machine Learning: Regression and Classification, DeepLearning.AI

Building Generative Adversarial Network, Udacity

SKILLS

Deep Learning | Pytorch | Python | Problem Solving | Image Processing | Docker | FastAPI | DVC | Communication | Teamwork | Time Management