WASEEM ALMAZRUA

Data Scientist | Healthcare & Medical AI

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SUMMARY

Data Scientist with a clinical background and strong expertise in data analysis, KPI design, and analytical visualization using Python, SQL, and Power BI, Experienced in building end-to-end analytical and machine learning workflows, including applied work in computer vision and medical image analysis, Combines domain knowledge in healthcare with solid statistical reasoning and model-driven decision support, enabling effective work with complex, safety-critical data while remaining adaptable to cross-industry data science and AI applications.

EDUCATION

Data Science & AI Bootcamp   Aug - Nov 2025
SDA x Le Wagon Intensive 12-week program focused on Python, SQL, machine learning, deep learning, data engineering, and real-world AI project development. Completed hands-on projects in healthcare analytics, computer vision, and end-to-end ML deployment.

Bachelor's Degree in Nursing Science   2017 - 2022
Shaqra University
GPA: 4.88

EXPERIENCE

Staff Nurse   Oct 2022 - Oct 2024
King Fahad Medical City (KFMC) | Riyadh, Saudi Arabia
• Surgical Nurse • Delivered patient-centered care while contributing to quality improvement initiatives and evidence-based practice.

PROJECTS

Doctor Copilot – Advanced MRI Segmentation AI   Link
Developed and deployed deep learning model (Double U-Net + ResNet50) for brain MRI analysis, achieving high Dice and IoU scores with real-time inference via FastAPI on Google Cloud Run.
Technologies: Python, TensorFlow, FastAPI, Google Cloud Run, U-Net, ResNet50

Face Mask Detection System – YOLOv8   Link
Developed a real-time YOLOv8 detection system to classify with mask, without mask, and incorrect mask in hospital environments.
Technologies: YOLOv8, OpenCV, Google Cloud, FastAPI

PPE Monitoring System (Computer Vision)   Link
Designed and implemented a real-time computer vision system for detecting personal protective equipment (PPE) using deep learning. The system supports safety compliance monitoring across industry
Technologies: Python, PyTorch, YOLO, OpenCV, Deep Learning, Computer Vision

CERTIFICATIONS

Certified Professional in Healthcare Quality (CPHQ)
NAHQ

Licensed Registered Nurse
SCFHS

Data Analyst Nanodegree
Udacity

Programming for Data Science with Python Nanodegree
Udacity

Statistics for Data Analysis Nanodegree
Udacity

AI Programming with Python Nanodegree
Udacity

SKILLS

HARD SKILLS	SOFT SKILLS
Python SQL Power BI FastAPI Google Cloud Tensorflow+Keras PyTorch Docker	Critical Thinking Communication Problem Solving Time Management Adaptability