# 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**                                                         Sep 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**                                                       2021
Shaqra University

## 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 |