



SYED WAJAHAT QUADRI

SOFTWARE ENGINEER

CONTACT

- +966 53 718 8280
- quadrisedw@gmail.com
- Jeddah, Saudi Arabia
- [Portfolio](#)
- [GitHub](#)
- [LinkedIn](#)

EDUCATION

2021 - 2024
**BSC COMPUTER SCIENCE WITH
ARTIFICIAL INTELLIGENCE**
Northumbria University, UK

2018 - 2019
FOUNDATION IN COMMERCE
SEGi College, Malaysia

CERTIFICATIONS

2023
**CS50P - INTRODUCTION TO
PROGRAMMING WITH PYTHON**
HarvardX

2023
**LARAVEL 9.0 ESSENTIAL
TRAINING**
LinkedIn

2023
GIT ESSENTIAL TRAINING
LinkedIn

2023
**DEEP LEARNING: MODEL
OPTIMIZATION AND TUNING**
LinkedIn

PROFILE

Dynamic software engineer specializing in AI development and full-stack solutions. Experienced in leading technical teams, developing and deploying machine learning models, and building AI-powered applications. Strong background in LLM integration, neural networks, and data science, complemented by expertise in cloud technologies and modern development frameworks. Demonstrated success in improving operational efficiency and delivering innovative technical solutions while mentoring team members and driving knowledge sharing initiatives.

WORK EXPERIENCE

Assem Mahmoud Alireza
Establishment, Jeddah, KSA
Technical Lead

DEC 2024 - CURRENT

- Led a cross-functional R&D team to deliver innovative AI-driven and full-stack software solutions, achieving a 70% increase in operational efficiency.
- Evaluated and optimized team roles by identifying individual strengths and areas for growth, fostering a high-performance culture.
- Configured and managed AWS EC2 instances and utilized Docker containerization to streamline deployments, reducing setup time and improving reliability.
- Developed, fine-tuned, and deployed specialized LLMs (AI agents, Distilled LLMs) using synthetic data.
- Conducted in-depth research on LLMs, driving the integration of cutting-edge AI capabilities into various business domains.
- Built AI-powered training programs and facilitated hands-on sessions covering prompt engineering, Python, JavaScript, and data analysis, accelerating trainee development.
- Automated complex workflows with Python scripts for tasks like web scraping, data processing, and report generation, saving significant time and resources.
- Authored comprehensive technical documentation and built RESTful APIs, enabling seamless project handovers and efficient data exchange.
- Led presentations and knowledge-sharing sessions on AI use cases and emerging tech trends.
- Mentored team members through structured training and weekly assessments, ensuring continuous learning and professional growth.

PROGRAMMING

- Python
- Java
- C
- JavaScript
- HTML / CSS
- PHP
- MATLAB
- SQL

DATA & ML

- NumPy
- Scikit-learn
- TensorFlow
- Keras
- Pandas
- Matplotlib
- OpenCV

FRAMEWORKS

- React
- Node.js
- FastAPI
- Django
- Laravel

TOOLS

- Git
- PhpMyAdmin
- Anaconda
- Visual Studio
- VS Code
- Postman

CLOUD & DB

- AWS (EC2)
- Goccloud
- PostgreSQL

- Devised and maintained a scalable knowledge base for LLMs, supporting diverse applications such as educational modules and specialized research.
- Regularly brainstormed cutting-edge innovative ideas, enhancing communication and teamwork.

● WeHearYou, Illinois, USA

SEPT 2023 - OCT 2024

Data Scientist

- Performed data segmentation and organization to meet the neural network requirements.
- Enhanced sign language translator by compiling and organizing an extensive dataset of gestures.
- Utilized advanced techniques to guarantee the precision and effectiveness of data.
- Coordinated with various technical and functional teams to implement models and monitor results.
- Conducted analyses to identify trends or patterns in data sets.
- Generated reports to present results of analyses in easy to comprehend manner.

● WeHearYou, Illinois, USA

MAY 2023 - SEPT 2023

Machine Learning Intern

- Compiled and organized an extensive dataset of sign language gestures.
- Ran sign language data through the MediaPipe script and retrieved the data points to then feed the neural network.
- Built an ASL Translator Interface prototype using Android Studio.
- Created a functional ASL Translator prototype with integrated AI model to enable real-time translation.
- Debugged and identified model prediction issues to quickly fix bugs and improve accuracy.
- Effectively conveyed project updates, progress, and technical details to the team.

PROJECTS

● Comparative Study on Chatbot

SEPT 2023 - MAY 2024

Performance (Research)

- Spearheaded a detailed comparative study of dense model and Google Dialogflow chatbots.
- Developed and optimized two chatbot models using advanced NLP techniques.
- Built a dense model to achieve accuracy of 76.87%, precision of 79.45%, & F1-score of 76.77%.
- Dialogflow demonstrated accuracy, precision, and F1-score of 78.78%.
- Managed all phases of the project from planning and design to implementation and testing.
- Proposed future work to integrate Word2Vec, RNNs, and LSTMs for better context processing.

LLMS

- Prompt Engineering
- Custom MyGPT Bots
- LangChain
- Fine-tuning
- Knowledge Base

SOFT SKILLS

- Leadership
- Team Management
- Communication
- Presentation
- Training & Mentorship
- Problem-Solving
- Critical Thinking
- Time Management
- Prioritization
- Adaptability
- Organization
- Attention to Detail

LANGUAGES

- Arabic (Advanced)
- English (Fluent)
- Urdu (Fluent)
- Hindi (Fluent)

Facial Recognition Attendance System

FEB 2024 - MAY 2024

- Designed and developed a facial recognition system for accurate, contactless attendance tracking.
- Implemented Haar-cascade classifiers for face detection and CNNs for facial recognition.
- Developed image web-scraper for dataset creation. Created a feature to add new employees to the system.
- Developed a user-friendly interface using Python and customtkinter library.
- Achieved 83.33% model accuracy; conducted extensive testing and performance evaluation.

Research Recruitment Web Application (MediMatch)

FEB 2024 - MAY 2024

- Developed a recruitment application using Django framework.
- Utilized Django ORM for efficient database management.
- Designed a user-friendly UI for Research and Matches pages.
- Built and utilized FastAPI for frontend-backend communication.
- Implemented data encryption and secure authentication protocols. Ensured compliance with data protection regulations and best security practices.
- Included email-verified login and a banning system for violators.
- Utilized NLP to extract key information from participant profiles.

American Sign Language (ASL) Translator (SignPal)

FEB 2023 - APR 2023

- Created a real-time ASL Translator in python using TensorFlow, MediaPipe, Numpy, and Customtkinter libraries.
- Engineered a software solution for capturing webcam image, essential for collecting and training data.
- Employed deep learning models to detect and interpret hand gestures and movements captured by the webcam.
- Achieved robust accuracy in hand gesture recognition by training a keras model with the ASL alphabet dataset.