

Abdulrahman Al Muaitah

❖ a.almuaitah@gmail.com

❖ +971566234464

❖ Ajman, UAE

❖ [Github](#) ❖ [LinkedIn](#)

WORK EXPERIENCE

Technical Consultant

Oliver Wyman

Jul 2024 – Present

Remote

- Designed and implemented a local data warehouse to streamline data management and support analytics teams in making data-driven decisions.
- Led automation and data scraping pipelines to streamline data collection.
- Worked on NLP projects, including neural transcriptions and contextual mapping (leveraging transformers).

Corporate Trainer for Artificial Intelligence

Wiley

Jul 2024 – August 2024

Dubai, UAE

- Delivered corporate trainings for banks on Artificial Intelligence.
- Provided insights on how Artificial Intelligence could streamline and automate certain processes within the various business units.
- Showcased different tools and technologies that could be used to facilitate digital transformation for those business units.

Administrator of the Artificial Intelligence Center (ATAIC)

American University of Ras Al Khaimah

Jan 2024 – Present

Ras Al Khaimah, UAE

- Creating and managing Docker containers for various machine learning applications.
- Overseeing the deployment of machine learning containers on server infrastructure and maintaining container orchestration platforms (Docker Compose/Kubernetes).
- Overseeing data collection, storage, and preprocessing pipelines on the server infrastructure.

Instructor of Artificial Intelligence

American University of Ras Al Khaimah

Jan 2024 – Present

Ras Al Khaimah, UAE

- Faculty Instructor of Artificial Intelligence in the School of Engineering.
- Administrator of the Advanced Technology and Artificial Intelligence Center (ATAIC).
- Nvidia DLI Certified Instructor and Program Ambassador.

Airport Products and Ancillaries Officer

flydubai

Oct 2023 – Jan 2024

Dubai, UAE

- Exploring ancillary revenue opportunities by conducting market research on existing airport product lines.
- Worked on optimizing passenger airport check-in time performance.
- Developed a predictive algorithm to identify potential outstation airports to sell LRPT and ERPT services.
- Applied time series regression models to forecast near-future ancillary sales per station.
- Leveraged Tableau to create dynamic dashboards and reports to visualize ancillary sales trends.
- Designing and executing UAT plans on airline data.

AWS Instructor

AWS (Amazon Web Services)

Jul 2021 – Present

Ajman, UAE

- Taught several courses relating to AWS services (EC2, S3, CloudFront, Load Balancing, BeansTalk, IAM, etc...).
- Delivered data analytics and machine learning-related workshops using AWS SageMaker, Athena, RedShift, and Kinesis.

Assistant Instructor and Data Scientist

Ajman University

Sep 2020 – Oct 2023

Ajman, UAE

- Handled the planning, preparation, and implementation of laboratory/tutorial sessions.
- Assisted and mentored students with assignments and coursework to present or reinforce learning concepts.
- Provided high-level mentorship to students in projects, as well as lower-level technical guidance

- Organized extra-curricular workshops related to computer science and data analytics (ML,DL, Cloud).
- Some of the courses I have delivered to students:
 - I. Data Analytics Program: Introduction to Data Analytics, Data Engineering, Data Visualization, Programming for Data Analytics I and II (Python, Tensorflow, PyTorch,...), etc...
 - II. Information Technology Program: Cloud Computing (AWS Certified Instructor), Object Oriented Programming (Java), Network Design and Implementation, Network Security, Operating Systems, etc...
- Employed ML/DL algorithms for classification and clustering tasks for various research projects.
- Performed ETL/ELT, web-crawling, cleaning, pre-processing, and EDA on data before using them in machine learning/deep learning-related projects.

Software Engineer

Jun 2020 – Aug 2020

Etisalat

Ajman, UAE

- Containerization with Docker, Implementing Rest APIs, Exploratory Data Analysis with R, Performing web-scraping automation with Python, WordPress CMS, and Implementing performance monitoring systems. Using VCS in software projects (Mainly Git and Mercurial), Implementing IOT systems.

Subtitle Translator (Freelance)

Mar 2020 – April 2020

International Council of Voluntary Agencies (ICVA)

Ajman, UAE

- Handled the translation process (English to Arabic) and the creation of subtitles (in .srt format) for the annual ICVA conference for the year 2020.

EDUCATION

Ajman University

Aug 2021 – Dec 2023

MSc. In Artificial Intelligence

Ajman, UAE

- Honor Status with a CGPA of 4.00

Ajman University

Aug 2016 – Aug 2020

BSc. In Computer Engineering

Ajman, UAE

- Honor Status with a CGPA of 3.97

SKILLS & INTERESTS

- **Technical Skills:** Programming (Python, C,C#, R, Java, JavaScript), Docker, TensorFlow (Python), Keras, PyTorch, SQL, NoSQL, PL/SQL, GIT, Advanced Excel, PowerBi, Tableau, CI/CD, Hadoop, HBase, CouchDB Django Framework, Apache Spark Framework (PySpark), AWS EC2, AWS S3, AWS Athena, AWS Kinesis, AWS DynamoDB, AWS SageMaker, AWS Lambda, AWS SQS, Apache Kafka, Informatica.
- **Interests:** Data Science, Machine Learning, CNN and GAN Neural Network Structures, Business Intelligence.

AWARDS & CERTIFICATES

- **10-Year Golden Visa Holder** Jun 2022 – Jun 2032
- Certified SAFe 6 Agilist Dec 2023 - Dec 2024
- Nvidia DLI Certified Instructor Oct 2024 -
- AWS Certified Cloud Practitioner Jul 2021 – Jul 2027
- AWS Accreditation for Ajman University Jul 2021 - Jul 2024
- AWS Accreditation for American University of Ras Al Khaimah Feb 2024 - Jul 2027
- Huawei Certified Academy Instructor – HCAI Feb 2021 – Feb 2027
- Huawei Certified ICT Associate – HCIA in Artificial Intelligence Feb 2021 – Feb 2024
- Full Stack Developer Track (One Million Arab Coders Program) Aug 2018 –

- AU Honors Assembly – Gold Medal
- AU Honors Assembly – Silver Medal
- AU Honors Assembly – Bronze Medal

Oct 2019 –

Oct 2018 –

Nov 2017 –

COURSES

- AWS Machine Learning Foundations
- Advanced NLP with Python for Machine Learning
- PyTorch Essential Training: Deep Learning
- AWS Data Engineering
- AWS Machine Learning for Natural Language Processing

PROJECTS

- **Audio to Text Transcriber Using OpenAI's Whisper:** Created a web application that uses the Gradio Python framework in the front-end and Whisper to transcribe user audio input to text and store the transcriptions as records in a MongoDB database.
- **SkinMALUNet:** A multi-attention and lightweight U-Net architecture for skin cancer segmentation, fine-tuned on the PH2 and ISIC datasets.
- **SKINSA:** A segmentation and classification pipeline for processing skin lesion images using the Vision Transformer (ViT) architecture, incorporating a fine-tuned and modified version of Meta's Segment-Anything Model (SAM).
- **AUGPT:** A web application virtual assistant to answer university-related inquiries via the use of OpenAI's GPT and RAG.
- **StreamGPT:** A containerized Streamlit-based conversational web application that uses the ChatGPT OpenAI API.
- **QuranWhisper:** A baseline project to evaluate the performance of fine-tuned ASR systems on the Quranic script.
- **Binance Data Streaming Project:** A side project to showcase the processing and analysis of streaming data retrieved from the Binance API, using the Apache Kafka stream processing platform.

RESEARCH

- Durrani, U., Alnajjar, R., Al Muaitah, A., Daqaq, A., Salah, A., & Zeyad, R. (2021). CrossQuestion game: A design of a group-based assessment tool to enhance student motivation during the pandemic. *International Journal of Information and Education Technology*.
- Al Muaitah, A., & Deriche, M. (2023). A Modified SAM-Based Skin Cancer Segmentation Pipeline: SKIN-SA Model. *24th International Arab Conference on Information Technology (ACIT) (pp.1-4)*. IEEE.

REFERENCES

- Dr. Mirna Nachouki, Head of Information Technology, Ajman University, mirna@ajman.ac.ae
- Eng. Mohammed Al Solh, Solution Architect, Tahaluf Al Emarat Technical Solutions, alsolh@alsolh.com