

Abdulahman Al Muaitah

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WORK EXPERIENCE

AWS (Amazon Web Services)

Jul 2021 – Now

AWS Instructor

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, Kinesis.

Ajman University

Sep 2020 – Now

Assistant Instructor and Data Scientist

Ajman, UAE

- Handled the planning, preparation, and implementation of laboratory/tutorial sessions.
- Assisted and mentored students with assignments and coursework to present or to 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 prior to using them in machine learning/deep learning related projects.

Etisalat

Jun 2020 – Aug 2020

Software Engineer

Ajman, UAE

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

International Council of Voluntary Agencies (ICVA)

Mar 2020 – April 2020

Subtitle Translator (Freelance)

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 – Now

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
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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

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| ▪ 10 Year Golden Visa Holder | Jun 2022 – Jun 2032 |
| ▪ AWS Certified Cloud Practitioner + AWS accreditation for Ajman University | Jul 2021 – Jul 2024 |
| ▪ 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 | Oct 2019 – |
| ▪ AU Honors Assembly – Silver Medal | Oct 2018 – |
| ▪ AU Honors Assembly – Bronze Medal | Nov 2017 – |

COURSES

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

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.
- **SIPTNS (Server IP Telegram Notifier System):** A system that notifies the user of any change in a server public IP address via a Telegram bot.
- **SkinMALUNet:** A multi-attention and light-weight U-Net architecture for skin cancer segmentation, fine-tuned on the PH2 and ISIC datasets.
- **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 pandemic. *International Journal of Information and Education Technology*.

REFERENCES

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