Aws Alhantouli

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EDUCATION

Ajman University | Ajman, UAE   Expected Graduation: June *2025*
B.S – Data Analytics
Coursework: Data Engineering, Data Structures, Programming for Data Analytics, Probability and Theory Applications, Database Management Systems, Linear Algebra, Cloud Computing, Big Data, Business Intelligence & Data Warehousing, Statistical Modelling, Machine Learning, Text & Web Mining, Artificial Intelligence.

EXPERIENCE

Lead of Google Developers Student Club | Ajman University   *Sep 2024 – Present*

- Leading the club alongside creative members to organize workshops and host events for students, fostering a collaborative environment to enhance technical skills and innovation.

Cloud Computing Intern | ITQAN AL Khaleej   *May 2024 – Jul 2024*

- Worked on cloud computing projects utilizing Microsoft Azure, contributing to the migration of systems to the cloud, optimizing infrastructure, and ensure seamless integration of services for clients.

Core Member of Google Developers Student Club | Ajman University   *Sep 2023 – Aug 2024*

- Coordinated a large-scale event, the Solution Challenge Ideathon, engaging students in developing innovative solutions using technology.

- Provided a workshop for a group of students to learn more about building a neural network model and design a UI for it using Gradio.

ACIT Event Organizer | Ajman University   *Dec 2023*

- Was part of the organizing team for The International Arab Conference on Information Technology (ACIT) which was hosted by Ajman University.

HONORS & AWARDS

- Honors Assembly - Ajman University Honored Golden Medal for Academic Excellence.   *Jan 2025*
- Honors Assembly - Ajman University Honored Silver Medal for Academic Excellence.   *Jan 2024*
- Honors Assembly - Ajman University Honored Bronze Medal for Academic Excellence.   *Feb 2023*

PROJECTS

- **Weather Data in Action**:
  Goal: Enabled real-time weather monitoring and analysis to support timely decision-making in climate-sensitive operations by building an end-to-end data pipeline with Kafka, Spark, and Streamlit.

  Managing real-time weather data fetched via an API key, transmitting it through Kafka, processing it within a Spark framework, and ultimately showcasing the findings through a nice-looking user interface using Streamlit.

- **Exploring Deep Learning Models for Garbage Sorting**:
  Goal: Contributed to automating the recycling process by developing and optimizing deep learning models for accurate garbage classification, reducing human intervention in waste management.

  Developing diverse deep learning structures for categorizing garbage, experimenting with different methodologies to gauge their responsiveness to parameters, and leveraging transfer learning for optimization.
- **Exploring Deep Learning Models for Arabic Text Diacritization**:
  Goal: Enhanced Arabic language accessibility and learning by developing a deep learning model to automatically restore diacritics in Arabic text, aiding educational tools and NLP applications.

  This project focuses on restoring diacritics (vowel marks) to Arabic text using deep learning techniques. Arabic text is often written without diacritics, making it harder to understand, especially for beginners or learners of the language. The goal of this project is to build a robust model that can predict the correct diacritics for given Arabic text.

SKILLS & TECHNICAL TOOLS

Programming Languages: Python, Java, SQL
Technologies: Scikit-learn, TensorFlow, Keras, Hadoop, Spark, Visual Studio, Cisco Packet Tracer, Word, Excel, Powerpoint, PowerBI, Tableau, Kafka, AWS.
Skills: Public Speaking, Team Management, Communication, Leadership, Multitasking, Problem Solving, Quick-Learner.

CERTIFICATES

- AWS Academy Graduate - AWS Academy   Machine Learning Foundations
  https://www.credly.com/go/sSvqubFZ
- AWS training and certification – Job roles in the cloud
- AWS Academy Graduate – AWS Academy Introduction to Cloud Semester 1
  https://www.credly.com/badges/2e8120c7-4e9d-4494-80d4-f614f7bcfe33/public_url

REFERENCES

- Dr. Mirna Nachouki, Associate Professor/ Head of Information Technology Department at Ajman University |

  mirna@ajman.ac.ae

- Dr. Ghazi AlNaymat, Associate Professor and Data Science Program Coordinator at Ajman University |

  g.alnaymat@ajman.ac.ae

- Dr. Shafiz Affendi, Associate Professor at Ajman University | s.yusof@ajman.ac.ae