

Mohammed Hasan Asaad

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Junior Cloud and AI Engineer

Python | Machine Learning | Azure | AWS | DevOps | Data Analytics

Professional Summary

Motivated and detail-oriented Cloud and AI Engineer with strong skills in machine learning, backend development, and cloud infrastructure. Hands-on experience in deploying AI applications on Azure and automating workflows. Passionate about solving real-world problems with data and cloud-native tools.

Work Experience

Junior Cloud and AI Engineer

Smartovate | 2025 – Present

- Built and deployed end-to-end ML applications using Azure (VMs, Blob Storage, Functions).
- Developed RESTful APIs with Flask and FastAPI and containerized them using Docker.
- Automated infrastructure deployment using Azure CLI and GitHub Actions.
- Integrated email services and contact forms using Flask-Mail.
- Created interactive dashboards with Streamlit for data visualization.

Machine Learning & Deep Learning Intern

Qafza IT Solutions | 2023 – 2025

- Built and trained ML models for classification and prediction using Scikit-learn and Pandas.
- Designed deep learning workflows using TensorFlow and Keras for image and tabular data.
- Applied feature engineering, PCA, and model evaluation techniques on real datasets.
- Assisted in deploying models as APIs via Flask on Azure cloud infrastructure.
- Created interactive dashboards with Streamlit for showcasing model result.

Technical Skills

Programming Languages:

Python, SQL, HTML, CSS, JavaScript (basic)

Data Analysis & Machine Learning:

Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Seaborn, Matplotlib

Cloud & DevOps:

- Azure (VMs, Blob, Logic Apps, Functions, CLI)
- AWS (EC2, S3, IAM, CloudWatch)
- Docker, GitHub Actions, Git, GitHub

Frameworks & Tools:

Flask, FastAPI, Streamlit, Jupyter Notebook, VS Code, Postman

Cloud Engineering:

- Deploying machine learning models to cloud using Docker and Azure Web Apps
- Managing virtual machines, resource groups, and blob storage on Azure
- Building CI/CD pipelines with GitHub Actions
- Using Azure CLI for infrastructure provisioning and automation
- Logging and monitoring with CloudWatch and Azure Monitor

Education

B.Sc. in Information and Communication Technology Engineering

University of Tartus, Syria

Graduated: 2024

Projects

Google Stock Price Prediction

Built regression models to predict stock prices using historical data.

Tools: Python, Pandas, Scikit-learn, Matplotlib

Titanic KMeans Clustering

Applied PCA and custom KMeans for unsupervised learning on Titanic dataset.

Tools: Scikit-learn, Pandas, Seaborn, PCA

Breast Cancer KNN Classifier

Compared manual vs Scikit-learn KNN for cancer diagnosis classification.

Tools: Python, NumPy, Scikit-learn

Certifications

- Machine Learning – Coursera (Andrew Ng)
- Python for Data Science – IBM
- Azure Fundamentals (AZ-900) – In Progress

Languages

- Arabic: Native
- English: Fluent (Speaking, Reading, and Writing)