

## **Mohammed Hasan Asaad**

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Portfolio (Live on Azure): <https://mohammed-asaad-app-e2hyhgggckfsbxd6.canadacentral-01.azurewebsites.net/>

## **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 (Reading, Writing and Grammar)