

# OMAR HAMDAN

## DATA SCIENCE & AI



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Amman, Jordan



[Omar Hamdan](#)

### PROFESSIONAL SUMMARY

Dynamic Data Scientist skilled in AI, Machine learning, Big data, and Data analysis. Expert in transforming complex data into actionable insights using advanced AI techniques. Proactive, dependable, and excels in fast-paced environments, enhancing team performance and delivering strategic insights.

### EDUCATION

**Bachelor of Data Science & Artificial Intelligence**  
Princess Sumaya University For Technology Amman, Jordan

### ACCOMPLISHMENTS

#### • Data Science Internship, Deep Learning Department

*Data Glacier*

*Jan. 2024 – April. 2024*

- Deployed models with Python and Flask, achieving expertise in serialization/deserialization with Pickle, JSON, and YAML.
- Mastered API testing with Postman and elevated ML model deployment on AWS through continuous integration via GitHub.
- Optimized version control using BitBucket and implemented Agile methodologies effectively.
- Provided strategic insights to a Cab Investment firm through comprehensive data analysis.
- Engineered an efficient data pipeline for optimized file intake and schema validation.
- Led multi-week projects on cloud/API deployment, EDA, model optimization, and dashboards.
- Delivered detailed project reports and code, demonstrating proficiency in EDA and modeling.

#### • Customer Service Representative, Operations Department

*Extensya*

*Nov.2018 – April.2019*

- Excelled in a dynamic environment, efficiently resolving various customer inquiries and issues.
- Collaborated with teams to enhance operational efficiency and refine customer service protocols.
- Maintained accurate and confidential records of all customer dealings.

### PROJECTS

#### •Brain Tumor Analysis System - Graduation Project

Developed a deep learning system using CNNs and U-NET to classify & segment brain tumors in MRI images, improving diagnostic accuracy. Achieved top performance metrics and utilized AWS for high-performance computation.

#### •Hate Speech Detection Using DistilBERT- Natural Language Processing

Developed a hate speech detection model for Twitter data using DistilBERT for sequence classification. The project involved data cleaning, handling class imbalance, tokenization, and training with the Trainer API, achieving high accuracy and precision.

#### • Cab Service EDA Insights - Data Analysis

Conducted EDA on cab service datasets, identifying trends, outliers, and correlations in demographics, pricing, and city usage. Provided actionable insights to optimize business strategies.

**Explore my [GitHub](#) portfolio for a comprehensive view of more projects and technical capabilities.**  
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## CERTIFICATIONS

- **Applied Data Science with Python Specialization (consists of 5 certificates):**

Issued by University Of Michigan

Key Skills: Python Programming, Data Manipulation, Data Analysis, Machine Learning, Text Mining, Social Network Analysis, Natural Language Processing, Data Visualization.

- **Machine Learning Specialization (consists of 3 certificates):**

Issued by DeepLearning.AI, Stanford University

Key Skills: Logistic Regression, Linear Regression, Artificial Neural Networks.

- **Advanced Data Analytics Specialization (consists of 7 certificates):**

Issued by Google

Key Skills: Statistical Analysis, Data Visualization (Tableau), EDA.

- **AWS Cloud Solutions Architect Professional Certificate**

Issued by Amazon-Web-Services (AWS)

Key Skills: Implementing Cloud Services, Big Data, Data Lake, Data Analysis.

- **Tableau Business Intelligence Analyst Professional Certificate:**

Issued by Tableau

Key Skills: Business Analysis, Data Governance, Spatial Analytics, Advanced Data Visualization, Tableau Data Analytics, Statistical Analysis, Predictive Analysis, Data Pre-processing.

**Explore my Tableau portfolio for a thorough view of my projects and data visualizations. [OmarHamdan](#).**

## SKILLS

- **Programming Languages:** Advanced in C, C++ & Python. Proficient in SQL.
- **Cloud Platforms:** Proficient in utilizing AWS for scalable solutions.
- **Machine Learning & AI:** Skilled in TensorFlow, Keras, and PyTorch; proficient in ML algorithms and statistical modeling.
- **Data Visualization:** Proficient with Python, Tableau, PowerBI, and R for creating effective visualizations.
- **Big Data:** Proficient in Hadoop, Hive, Sqoop, and SQL for big data management. Experienced with NoSQL databases such as HBase, Cassandra, and MongoDB. Utilizes Kafka, Flume, and Spark Streaming for data ingestion and real-time analysis.
- **Flexible & Adaptable.**
- **Teamwork & Collaboration.**
- **Excellent Communication.**

## LANGUAGES

**Arabic:** Native

**English:** Fluent