OSAMA ABUALWAFA

I am an Artificial Intelligence student at the University of Jordan with strong proficiency in Python, MATLAB, Microsoft 365 applications, and Canva. With a solid foundation in cybersecurity, I am dedicated to leveraging my technical skills to solve complex problems and contribute to innovative solutions in the fields of AI and technology.

Educational Background

Bachelor in Artificial Intelligence

University of Jordan 2020 - Present

• Specializing in deep learning, natural language processing, the Internet of Things (IoT), and focused on advanced topics such as cybersecurity, AI systems, and server management.

Cybersecurity Course 2022 Red Hat Course 2024

- Completed a 90-hour intensive course focused on server management, network security, system administration, and Red Hat Linux systems.
- Gained expertise in cybersecurity protocols, security management, and acquired hands-on experience in configuring and deploying Red Hat Linux environments.

Academic Projects

Flight Delay Prediction using Machine Learning (Graduation Project)

• Developed a machine learning model to predict flight delays based on historical data, using Decision Trees and SVM to improve forecasting accuracy.

Satellite Image Road Detection

• Designed a deep learning model for detecting roads in satellite imagery, utilizing image processing techniques and Deeplabv3+ for precise road detection.

Weather Forecasting with Time Series Analysis

• Built a time series forecasting model to predict weather patterns, applying ARIMA and LSTM networks for accurate predictions.

IoT-based Fire Fighting Robot System

• Engineered an IoT-powered fire-fighting robot with sensors for real-time fire detection and suppression, integrating cloud-based monitoring for operational optimization.

Optical Character Recognition (OCR) in MATLAB

• Developed an OCR system in MATLAB to extract and interpret text from images and scanned documents, enhancing recognition accuracy.

Distributed Denial-of-Service (DDoS) Simulation Tool

• Created a DDoS attack simulation tool using botnets and server-side tools to evaluate network and server resilience to large-scale DDoS attacks.

Contact

Amman-Jordan +962779632118 osamaqwer5513369078@gmail.com

Skills

Technical Skills

- Machine Learning & AI
- Deep Learning & Neural Networks
- IoT System Design
- Cybersecurity & Server Management
- Data Analysis & Predictive Modeling

Tools/Sofware

- Python & MATLAB
- Deeplabv3+ & OpenCV
- Microsoft 365 Suite
- Red Hat Linux
- Data Analytics Tools

Languages

- English (Fluent)
- Arabic (Fluent)

Certification/Short Courses

- Cybersecurity & Server
 Management (90-hour course)
- Red Hat Certified Training

Additional Information

- Volunteered in a problemsolving competition, contributing to team strategies and solutions.
- Active member of the Queen Rania Center for Family and Child (Jordan River Foundation), participating in various community and educational initiatives.