NASER AL-QAYDEH

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AI DEVELOPER

Results-driven Artificial Intelligence Developer with **over 2 years** of technical expertise in the defense and security sector, specializing in the full lifecycle of AI solution development for computer vision and NLP applications. From data collection to model deployment, I am proficient in building AI systems optimized for real-time, high-performance environments. My experience includes optimizing deep learning models using advanced AI frameworks like TensorRT and PyTorch. I also have a strong background in system design, encompassing AI engines, database management, and networking architecture, enabling seamless integration of AI components into complex infrastructures. With advanced skills in Python and C++, I consistently deliver optimized algorithms and solve challenging AI-related problems.

WORK EXPERIENCE

Artificial Intelligence Developer
Jordan Design and Development Bureau (JODDB) **Aug 2022 - Present**

- Translated customer needs into actionable project plans, defining scope, resources, deliverables, and selecting the necessary tools and infrastructure.
- Conducted extensive literature reviews to identify and implement state-of-the-art solutions.
- Managed data acquisition, preprocessing, and model training, while monitoring and evaluating AI model performance.
- Optimized AI models at the device level using **TensorRT** for enhanced performance.
- **Developed and maintained complex AI pipelines and Engines.**
- Created and managed infrastructure for deploying and integrating ML models into production systems (Edge Deployment - **Jetson Embedded Computing Boards**).
- Developed and managed database management systems (DBMS) for AI systems.
- Designed user interfaces based on customer requirements.
- Monitored project progress and ensured adherence to timelines and budgets.

PROJECTS (JODDB)

- Smart Gate System (Distributed).
- Smart Entry System (Face Recognition).
- Traffic Monitoring System (Mobile ANPR).
- Virtual Assistant (LLM Powered Chatbot).
- Targets Detection Tracker System.

TEACHING EXPERIENCE

- Deep Learning (In English).
- AI Raising Awareness for Public Employees (Currently Being Delivered).

EXHIBITIONS AND CONFERENCES

- Special Operations Forces Exhibition and Conference (SOFEX 2024 Aqaba) - **Exhibitor**
- Xpand Conference 2024 Dead Sea - **Attendee**
- 1st International Conference on Aviation sciences and 7th on Robotics & AI Engineering (I-CARE) Amman Arab University 2024 Amman - **Exhibitor**
- Gitex Global 2023 Dubai - **Delegate**
- Artificial Intelligence in Defense Technologies and Cyber Security Exhibition and Conference AIDTSEC 2023 Dead Sea - **Exhibitor**
- Levitate 2023 Amman - **Attendee**
- TAIEX Workshop on Artificial Intelligence by the European Union (EU) 2023 Amman - **Attendee**
- **T**he Militarization of Artificial Intelligence and Cyberspace in Defense and Security 2023 Amman - **Attendee**

EDUCATION

Master of Industrial Engineering

Sep 2019 - Sep 2022

Jordan University of Science & Technology (JUST)

- Thesis: “Applying Deep Learning to Forecast of Grocery Sales during Covid-19 Pandemic: A case study in Jordan”
- **GPA: 3.95/4 - Excellent**

Bachelor's Degree in Industrial Engineering

Aug 2015 - Sep 2019

Hashemite University (HU)

- Senior Project: “Application of Fish- bone Diagram to Reduce Preparation Time - Fine Hygienic Holding (FHH)”.
- **GPA: 3.53/4 - Excellent**

CERTIFICATIONS

- TOT and Communications Skills - TEC Oxford College for International Studies.
- Building Real-Time Video AI Applications - NVIDIA Deep Learning Institute.
- Machine Learning - Stanford-online.
- Deep Learning - DeepLearning.AI.
- Python - University of Michigan.
- C++ Programming - Udemy.
- Elements of AI - University of Helsinki-Online.
- Web Scraping and API Fundamentals with Python - Udemy.

VOLUNTEERING

Activities Director

Sep 2016 - Dec 2017

- Turbo Team HU - Hashemite University

LANGUAGES

- Arabic (Native)
- English (Fluent)