FERAS KHIRFAN

AI and Software Developer

Jordanian (Transferable iqama)

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PROFILE

Computer Science graduate specialized in Artificial Intelligence with hands-on experience in developing end-to-end software solutions. Skilled in machine learning (TensorFlow, Scikit-learn), backend APIs (Flask, Django), and front-end development (HTML, CSS, JavaScript). Delivered 5+ AI-driven and full-stack projects including medical AI diagnostics, robotic systems, and real-time web apps. Passionate about continuous learning, innovation, and building scalable systems.

WORK EXPERIENCE

AI AND SOFTWARE DEVELOPER

Sphereka (Remote Job)

July 2024 – April 2025

- Engineered a convolutional neural network (CNN) for white blood cell classification using TensorFlow, improving diagnostic automation.
- Built backend APIs with Python, Flask, and Django, ensuring seamless data flow and system integration.
- Created user interfaces using HTML, CSS, and JavaScript to improve user interaction and responsiveness.
- Contributed to the development of ERP system modules in Python and Django, streamlining inventory and sales management.
- Preprocessed and trained large datasets for AI models, optimizing performance through testing and adjustments.

ORGANIZER AND MENTOR

Middle East University

March 2024 - June 2024

- Mentored students building and developing sumo robots and IoT projects.
- Organized the exhibition and a sumo robot fighting competition.

FULL STACK DEVELOPER

Startappz

August 2023 - October 2023

- Developed and implemented a login and signup engine, using python backend (Flask) and web frontend.
- Created and integrated an online store with the engine.
- Created an AI model for clothing recommendation.

EDUCATION

Middle East University

2020 - 2024

Bachelor of Science in Computer Science/Artificial Intelligence

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CERTIFICATIONS

- Introduction to AI - 2023
- IoT Applications - 2023

- OpenCV Bootcamp (Computer Vision, Python, Image Processing) - 2024
- Crash Course on Python – 2025
- Google AI Essentials – 2025

PROJECTS

➢ **Attendance System for the Educational Fields Using Face Recognition:**
   1. Developed a face recognition-based attendance system to streamline and automate attendance tracking.
   2. **Measurable Achievements:**
      - Reduced manual attendance processing time by 80%, increasing overall classroom efficiency.
      - Achieved a 95% accuracy rate in identifying and recording student attendance.
      - Decreased instances of attendance fraud by implementing a secure, real-time verification process.

➢ **Security System Using Face Recognition,** used in places that require authority for certain people.

➢ **Sumo Robot for Sumo Competitions,** 4 wheels robot which was used to compete in sumo robot competitions fully autonomous

➢ **Portfolio Webpages for Companies,** created and launched some webpages for several companies

➢ **Data Analysis for Hotel Reviews Project,** used to help analyze hotels reviews to find positive and negative reviews using ML technologies and NLP

➢ **File Transfer System,** a secure file transfer web app

➢ **Business cards reader,** an OCR card reader used to extract data

ACHIEVEMENTS

- **Scored first place in the university's local sumo robot competition in 2023**
- **HTU National Sumo Robotics Tournament 7/2023 Top 16**
- **HTU National Sumo Robotics Tournament 7/2024 Top 32**

SKILLS

- **Programming Languages**: Python, C#/C++, PHP, JavaScript, SQL, NoSQL
- **Web Development:** HTML, CSS, JavaScript, Flask, MongoDB, Backend, Full stack development, Django
- **AI/ML & Data Science:** Machine Learning, Deep Learning, NLP, Computer Vision, TensorFlow, PyTorch, Scikit-Learn, WEKA, Orange Data Mining.
- **Data Engineering:** Data preprocessing, model training, deployment pipelines.
- **Robotics & IoT:** Robotics, IoT, Microcontrollers, AutoDesk Inventor (3D Modeling).
- **Tools & Software:** Microsoft Office, GitHub, Ubuntu
- **Soft Skills:** Working under pressure, team player, critical thinking, leadership, problem solving, communication, motivation, flexibility, fast learning

VOLUNTEERING

- **Volunteered in Arab Robotics & AI Association 2024 (ARA)**

LANGUAGES

- **Fluent in Arabic, proficient in English**

REFRENCES

Available upon request