Mustafa Taha

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Profile

AI Engineer & Full-Stack Developer with hands-on experience building scalable AI-driven and full-stack applications. Expert in reinforcement learning, computer vision, NLP, and forecasting using PyTorch, TensorFlow, and Hugging Face. Skilled in MERN, Spring Boot, Django, and Flutter with deployment on AWS/Docker. Proven record delivering real-world solutions such as autonomous drone navigation, traffic OCR monitoring, and social/e-commerce platforms.

Technical Skills

- **AI/ML:** PyTorch, TensorFlow, Hugging Face, Scikit-learn, OpenCV, RLlib
- **Programming:** Python, Java, JavaScript, Dart, Bash, C, Assembly, Verilog
- **Full-Stack:** React, Node.js, Express, Django, Spring Boot, REST APIs, JWT
- **Databases:** MongoDB, MySQL, SQLite, Firebase
- **Mobile:** Flutter (Dart)
- **DevOps/Cloud:** Docker, AWS, Git, CI/CD, Postman, Socket.IO
- **Systems:** Linux, Networking (TCP/IP, VPNs, VLANs)

Professional Experience

Freelancer – Self-Employed — Remote   July 2025 – Current
- Developed AI-powered and full-stack applications for international clients.
- Designed and deployed web and mobile solutions using MERN, Spring Boot, and Flutter.
- Conducted data analysis and built ML models to provide insights and intelligent solutions.
- Collaborated with clients to gather requirements, provide technical solutions, and deliver high-quality software.

Technical Support Specialist – Bent One (BCI Group) — Ramallah   Mar 2025 – Apr 2025
- Resolved network/system issues, improving reliability and uptime.
- Trained junior agents, cutting escalations by 30%.

Commercial Intermediary – Self-Employed — Ramallah   Sep 2020 – Mar 2024
- Managed annual trade volume of 80M+ ILS between companies.
- Negotiated contracts, coordinated logistics, and resolved conflicts.

System Administrator – Exalt Technologies — Ramallah   Jul 2018 – Nov 2019
- Automated system tasks and supported CI/CD workflows.
- Configured VPNs, VLANs, and Dockerized environments.

Selected Projects

AI & ML Projects

Reinforcement Learning Projects (*Python, PyTorch, RLlib, Hugging Face Hub*) [GitHub]
- Trained RL agents (**DQN, PPO, A2C, SAC, HER**) for robotics, drones, and multi-agent systems.
- Benchmarks: **PandaPickAndPlace**, **Drone Navigation**, **SoccerTwos**, Atari.
- Published reproducible models on Hugging Face with high reward rates.

FoodApp – Food Image Classification (*Python, PyTorch, Flask, OpenCV, CNN/ViT*) [GitHub]
- Collected dataset via web scraping, preprocessed with OpenCV.
- Achieved **93% accuracy** using CNN and ViT architectures.
- Deployed as Flask REST API for real-time image recognition.

Traffic Monitoring System – Car Detection & OCR (*Python, OpenCV, TensorFlow, YOLO*) *[Private]*
- Real-time detection of vehicles and license plates with YOLO.
- Automated data logging and integration with live dashboards.

Smart E-commerce AI Recommender (*Python, Flask, Scikit-learn, MySQL*) [GitHub]
- Built AI recommendation engine with association rule mining & forecasting.
- Integrated Flask API with WooCommerce and MySQL backend.

Deep Learning Projects (*PyTorch, TensorFlow, Hugging Face*) [GitHub]

– 15+ applied DL projects: BERT for NLP, LSTM for sentiment, CNN for CIFAR-10/MNIST.

Full-Stack Projects

LinkUp – Social Media Platform (*MERN, Socket.IO, AWS*) [GitHub]
– Developed real-time platform with posts, messaging, notifications, and online presence.
– Implemented secure REST APIs, JWT auth, role-based access.
– Deployed on AWS EC2 ensuring scalability and fault tolerance.

PalRent – Apartment Booking System (*Spring Boot, MySQL*) [GitHub]
– Designed multi-role booking system with Spring Security.
– Used MySQL for robust data persistence.

Istanbol Mall – E-Commerce Platform (*MERN, Flutter, AWS*) [GitHub]
– Cross-platform e-commerce with React (web) and Flutter (mobile).
– Integrated payments, notifications, and deployed on AWS.

Education

Full-Stack Developer Certificate – AXSOS Academy / Coding Dojo — Ramallah	Apr – Sep 2024

• 1,200+ hours of intensive training; delivered 3 team projects (Agile).

B.Sc. Computer Engineering – Birzeit University — Ramallah	2013 – 2018

Certifications

• **Deep Reinforcement Learning Course** – Hugging Face	Aug 2025
• **AI/ML Course with Real Graduation Project** – Hsoub Academy	Aug 2025
• **Django Masterclass: Build 9 Projects** – Udemy	Jun 2025
• **Networking Fundamentals for CCNA** – Udemy	May 2025
• **Cisco DCAIE: AI on Cisco Infrastructure** – Cisco	Apr 2025
• **Flutter & Dart: The Complete Guide** – Udemy	Jan 2025
• **DevOps Certification** – Manara	Dec 2024
• **Flutter Bootcamp with Dart** – Udemy	Oct 2024

Languages

Arabic (Native), English (Advanced)