

Mustafa Taha

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Profile

AI Engineer & Full-Stack Developer with hands-on experience in building and deploying scalable AI/ML solutions, predictive models, and intelligent web systems. Proficient in reinforcement learning, computer vision, NLP, and time-series forecasting using PyTorch, TensorFlow, Hugging Face, and Scikit-learn. Skilled in data analysis, preprocessing, visualization, and model optimization for actionable insights. Secondary expertise in full-stack development (MERN, Spring Boot, Django, Flutter) with deployment on AWS/Docker. Delivered impactful solutions, including autonomous drone navigation, traffic OCR systems, recommender engines, and scalable social/e-commerce platforms.

Technical Skills

- **AI/ML:** PyTorch, TensorFlow, Hugging Face, Scikit-learn, OpenCV, RLlib
- **Data Analysis:** Pandas, NumPy, Matplotlib, Seaborn, SQL, Excel
- **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

- AI Engineer & Full-Stack Developer (Freelance)** – Self-Employed — Remote 2023 – Present
- Designed and deployed ML models for forecasting, classification, and reinforcement learning.
 - Delivered end-to-end AI-powered APIs, dashboards, and predictive analytics systems.
 - Built full-stack and mobile solutions using MERN, Spring Boot, and Flutter for clients.
 - Developed and deployed projects on AWS/Docker ensuring scalability and reliability.
- Technical Support Specialist** – Bent One (BCI Group) — Ramallah 2025
- Resolved complex network/system issues, improving reliability and uptime.
 - Trained junior agents, reducing escalations by 30%.
- System Administrator** – Exalt Technologies — Ramallah 2018 – 2019
- Automated system tasks and supported CI/CD workflows.
 - Configured VPNs, VLANs, and Dockerized environments.
- Commercial Intermediary (Freelance)** – Self-Employed — Ramallah 2020 – 2023
- Managed trade operations with an annual volume of 80M+ ILS.
 - Negotiated contracts, coordinated logistics, and ensured client satisfaction.

Selected Projects

AI, Data Analysis & ML Projects

Reinforcement Learning Projects (PyTorch, RLlib, Hugging Face) [\[GitHub\]](#)

- 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 Hub.

FoodApp – Food Image Classification (PyTorch, Flask, OpenCV, CNN/ViT) [\[GitHub\]](#)

- Collected dataset via web scraping and preprocessing with OpenCV.
- Achieved 93% accuracy using CNN and ViT architectures.
- Deployed as Flask REST API for real-time recognition.

Traffic Monitoring System – Car Detection & OCR (OpenCV, TensorFlow, YOLO) [\[Private\]](#)

- Real-time detection of vehicles and license plates with YOLO.
- Automated data logging and live dashboard integration.

Smart E-commerce AI Recommender (Flask, Scikit-learn, MySQL) [\[GitHub\]](#)

- Built AI recommendation engine with association rule mining & forecasting.
- Integrated Flask API with WooCommerce and MySQL backend.

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.

Istanbul 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	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	2025
• AI/ML Course with Real Graduation Project – Hsoub Academy	2025
• Django Masterclass: Build 9 Projects – Udemy	2025
• Networking Fundamentals for CCNA – Udemy	2025
• Cisco DCAIE: AI on Cisco Infrastructure – Cisco	2025
• Flutter & Dart: The Complete Guide – Udemy	2025
• DevOps Certification – Manara	2024
• Flutter Bootcamp with Dart – Udemy	2024

Languages

Arabic (Native), English (Advanced)