Mustafa Taha

📞 +972 568 512 530 | 📍 Ramallah, Palestine | ✉ mustafa.taha.mu95@gmail.com
⬡ github.com/mustafataha5 | 🔗 linkedin.com/in/mustafa-taha | 🌐 mustafataha5.github.io

Profile

Data Analysis & AI Engineer with hands-on experience in building and deploying scalable AI/ML solutions, predictive models, and intelligent data 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 web 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

Data Analyst & AI Engineer (Freelance) – Self-Employed — Remote   *2020 – Present*
- Designed and deployed ML models for forecasting, classification, computer vision, and reinforcement learning agents.
- Conducted full-cycle data workflows: collection, preprocessing, feature engineering, visualization, and reporting.
- Delivered AI-powered APIs, dashboards, and predictive analytics systems tailored to client needs.
- Built and deployed full-stack and mobile applications using MERN, Spring Boot, and Flutter on AWS/Docker.

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%.

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

Commercial Intermediary (Freelance) – Self-Employed — Ramallah   *Sep 2020 – Dec 2024*
- 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 (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)