

Mustafa Taha

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Profile

Highly capable **AI Engineer** and **Full-Stack Developer** with a robust foundation in software engineering and modern web/mobile technologies (**Spring Boot, Django, Node.js, React, Flutter**). Proven ability to deliver real-world projects in **NLP, deep learning**, and **time series** forecasting using PyTorch, TensorFlow, and Transformers. Passionate about building scalable, data-driven applications that solve complex challenges. Seeking impactful opportunities in **AI/ML, Data Analytics, or Applied Deep Learning**, leveraging strong full-stack skills for robust solution deployment.

Technical Skills

AI / ML & Data Science: PyTorch, TensorFlow, Keras, Hugging Face, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, BERT, LSTM, CNN, RNN, OpenAI API, Transformers

Programming Languages: Python, Java, JavaScript (ES6), Dart, Bash, C, Assembly (8086), Verilog

Frontend: React, Tailwind CSS, Bootstrap 5, Material UI, HTML5, CSS3, jQuery

Backend: Node.js, Express, Django, Flask, Spring Boot

Databases: MongoDB, MySQL, SQLite, Firebase

DevOps & Cloud: Docker, AWS (EC2, S3), CI/CD (GitHub Actions, Jenkins), Ovirt, OpenVPN

Mobile Development: Flutter, Dart

Tools: Postman, Git, GitHub, AJAX, JSON, Socket.IO, Trello

Technical Projects

AI & ML Projects

Smart E-commerce AI Recommender(*Python, Flask, Scikit-learn, Pandas, MySQL, Statsmodels, Mlxtend*)

Engineered an end-to-end AI-driven product recommendation system for e-commerce platforms.

- **Implemented ML classifiers to recommend products based on user features (age, gender, country).**
- **Leveraged mlxtend to identify product associations (frequently bought together items).**
- **Developed time series models to forecast future sales trends from historical data.**
- **Deployed models via a Flask REST API, enabling real-time predictions for e-commerce applications.**
- **Conducted in-depth exploratory data analysis on user behavior, product categories, and sales data.**
- **Integrated with a live WordPress/WooCommerce MySQL database for real-world applicability.**

Deep Learning Projects:

Created 15+ deep learning projects across image, text, and time series domains using **PyTorch**, **TensorFlow**, and **Transformers**.

Highlights:

- **Fake News Detection** – **BERT** + Hugging Face
- **Sentiment Analysis** – Arabic & English text using **LSTM**
- **Image Classification** – CIFAR-10 & MNIST with **CNNs**
- **Stock Forecasting** – Time series prediction using **LSTM**
- **AI Chatbots (3 Types)**:
 - **RNN**-based chatbot for intent classification
 - **GPT-2** chatbot with positional encoding
 - Fine-tuned OpenAI **GPT3-5**, deployed via **Django**
- **Food Classification (ViT)** – Fine-tuned Vision Transformer on multi-class food dataset

All projects include clean code, visualizations, and well-documented notebooks

Full Stack Projects

LinkUp – Social Media Platform (***MERN Stack, Socket.IO, AWS***)

A full-stack web application enabling users to create posts, interact in real time, and follow each other.

- Built RESTful APIs for users, posts, likes, and follow system using Node.js & Express.
- Integrated **Socket.IO** for real-time messaging and user status updates.
- Secured app with **JWT-based authentication** and role checks.
- Deployed frontend and backend to **AWS EC2** for high availability.

PalRent – Apartment Booking System (***Spring Boot, MySQL, JSP, Bootstrap***)

Web platform for booking and managing apartment reservations in Palestine.

- Developed backend REST APIs for apartments, bookings, and users with **Spring Boot**.
- Integrated **Spring Security** for role-based login and session control.
- Designed an admin dashboard for managing users, properties, and bookings.
- Used **MySQL** for persistent data storage and **Bootstrap** for responsive UI.

Istanbul Mall – E-Commerce Platform (***MERN, Flutter, AWS***)

Cross-platform shopping platform with mobile and web interfaces.

- Developed frontend with **React** (web) and **Flutter** (mobile).
- Created backend APIs to handle products, carts, orders, and payments.
- Integrated **secure payment system** and user notification features.

- Deployed on **AWS EC2 & S3**, ensuring responsiveness and availability.

ReadEase – Online Bookstore (*Django, AJAX, Bootstrap, Jinja2*)

E-commerce bookstore with admin, user, and order management features.

- Built **Django REST APIs** for books, carts, and orders.
- Used **AJAX** for dynamic search, filtering, and cart updates.
- Designed frontend using **Jinja2 templates** and Bootstrap for responsive layout.

Education

Full-Stack Developer Certificate – AXSOS Academy / Coding Dojo

Ramallah, Palestine Apr – Sep 2024

- Completed **1,200+ hours** of hands-on training in **Python, Java, MERN, React, Django, Spring Boot**.
- Built **3 full-stack team projects**, focusing on agile collaboration and real-world problem-solving.

Bachelor's in Computer Engineering – Birzeit University

Ramallah, Palestine 2013 – 2018

Certifications

- **Django Masterclass: Build 9 Projects** – Udemy | **Jun 2025**
- **Cisco DCAIE: AI on Cisco Infrastructure** – Cisco | **Apr 2025**
- **Flutter & Dart: The Complete Guide** – Udemy | **Jan 2025**
- **DevOps Certification** – Manara | **Dec 2024**
- **The Complete Flutter Development Bootcamp with Dart** – Udemy | **Oct 2024**
- **AI/ML Course with Real Graduation Project** – *Hsoub Academy* | **Expected Jul 2025**

Professional Experience

Technical Support Specialist – Bent One (BCI Group)

Ramallah, Palestine • Mar 2025 – Apr 2025

- Resolved complex network and system performance issues, improving service reliability and uptime
- Trained and mentored Level 1 support agents, reducing escalations by 30%
- Maintained and updated internal troubleshooting documentation to streamline support workflow

System Administrator – Exalt Technologies

Ramallah, Palestine • Jul 2018 – Nov 2019

- Deployed and managed virtual environments using **Ovirt** and **Docker**, improving deployment efficiency
- Configured network infrastructure including **VLANs, VPNs**, and routers to support secure connectivity
- Collaborated with developers to automate system tasks, contributing to a smoother CI/CD process