MOAYAD ALSHAWESH

Full Stack Web Developer

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PROFESSIONAL SUMMARY

Computer Science graduate specializing in Full Stack Web Development with hands-on experience integrating AI/ML capabilities into production web applications. Demonstrated expertise in building end-to-end solutions using PHP, Python, JavaScript, and MySQL. Proven ability to independently deliver complex projects combining modern web technologies with deep learning models. Seeking Full Stack Developer role to leverage technical skills in creating scalable, user-centric applications.

EDUCATION

Bachelor of Science in Computer Science
Al-Bayt University, Jordan
Graduation: January 2026
Graduation Project: Skin Analysis & E-commerce Platform - Grade: Excellent/Distinction

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TECHNICAL SKILLS

Frontend Development: HTML5, CSS3, JavaScript (ES6+), AJAX, jQuery, Bootstrap 5, Responsive Design

Backend Development: PHP (OOP, MVC Architecture), RESTful API Design, JSON, Session Management

Database: MySQL, Database Design, SQL Optimization, Relational Database Architecture

AI & Machine Learning: Python, PyTorch, Computer Vision, Vision Transformer (ViT), Image Processing

Development Tools: Git, GitHub, VS Code, XAMPP, Postman, Command Line

Soft Skills: Problem Solving, Project Management, Self-Learning, Technical Documentation, Adaptability

Languages: Arabic (Native), English (Professional Working Proficiency)

PROJECTS

Skin Analysis & E-commerce Platform (Graduation Project)

March 2025 - May 2025 | Solo Developer | Grade: Excellent/Distinction

Developed an intelligent full-stack e-commerce web application that combines AI-powered skin condition diagnosis with personalized skincare product recommendations. The platform enables users to upload skin images for instant analysis and receive targeted product suggestions, improving purchase decision accuracy.

Technical Implementation:

AI/Machine Learning Component:

- Integrated pre-trained Vision Transformer (ViT) model using PyTorch for multi-class skin condition classification including acne, wrinkles, and redness detection

- Implemented image preprocessing pipeline using PIL/Pillow library for consistent input normalization

- Created Python-based classification script that accepts image inputs and returns JSON-formatted predictions with confidence scores

- Optimized model inference for CPU environments to ensure deployment compatibility without GPU requirements

Full-Stack Development:

- Built scalable backend using native PHP with Object-Oriented Programming and MVC architectural pattern for clean code separation

- Designed normalized MySQL database schema with 10+ interconnected tables managing users, products, orders, shopping carts, AI analysis logs, and administrative functions

- Implemented secure user authentication system with role-based access control separating customer and administrator privileges

- Developed RESTful API endpoints for seamless communication between frontend and backend services

E-commerce Features:

- Created dynamic shopping cart functionality with AJAX-based real-time updates eliminating page reloads

- Built multi-step checkout process with order validation and automated confirmation system

- Implemented product catalog with pagination, advanced filtering, and live search functionality

- Developed order tracking system for both customers and administrators

Frontend & User Experience:

- Designed responsive interface using HTML5, CSS3, and Bootstrap 5 ensuring cross-device compatibility

- Integrated AJAX for asynchronous operations improving user experience with instant feedback

- Implemented interactive chatbot widget for customer support and navigation assistance

- Created educational magazine section for skincare content and user engagement

- Added currency converter functionality for international accessibility

Admin Dashboard:

- Built comprehensive control panel with full CRUD operations for product management including image uploads

- Developed content management system for magazine article publishing

- Created user and admin account management interface

- Implemented order monitoring system and customer message inbox

- Designed sales analytics and reporting dashboard

Technical Challenges Solved:

- Successfully integrated Python AI model with PHP backend using shell execution with proper error handling and output parsing

- Resolved database relationship complexity by implementing foreign key constraints and SQL transactions maintaining data integrity during checkout operations

- Optimized application performance by implementing efficient database queries and caching strategies

Key Achievements:

- Delivered production-ready application with 15+ interconnected PHP modules and 1000+ lines of backend logic

- Successfully deployed full-stack solution integrating cutting-edge AI technology with traditional web development

- Demonstrated end-to-end development capability across AI/ML (Python), Backend (PHP), Frontend (JavaScript/HTML/CSS), and Database (MySQL)

ADDITIONAL INFORMATION

Open to Opportunities: Full Stack Developer, Backend Developer, Web Developer, Junior Software Engineer

Availability: Immediate

Work Authorization: Jordan

REFERENCES

Available upon request