

# Mustafa Ayman Alhassny

Information Technology Engineer • Artificial Intelligence Specialization • React Native / Next.js Developer  
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## PROFESSIONAL SUMMARY

AI specialist and full-stack developer with 3+ years of experience building predictive models and cross-platform applications. Led development of AI-powered platforms, including a deepfake and fake news detection system and a financial services ecosystem. Delivered production mobile apps for clients across hospitality, finance and insurance, consistently improving performance and user experience through data-driven decisions. Passionate about leveraging machine learning and modern frameworks to create scalable, secure and user-centric solutions.

## EDUCATION

### Arab International University

Damascus, Syria

Bachelor of Informatics Technology Engineering – AI Specialization

Graduated Jun 2025

- Notable Junior Project: FUSE – Financial Universal Service Ecosystem (See Technical Projects)
- Notable Senior Project: Wave – Deepfake and Fake News Detection Platform (See Technical Projects)

## EXPERIENCE

### Brand in Mark Agency

Riyadh, Saudi Arabia (Remote)

#### React Native Developer

Jun 2024 – Present

- Led end-to-end delivery of cross-platform mobile apps for multiple clients, shipping three production releases on schedule.
- Produced scalable architecture diagrams and concise technical documentation to align stakeholders and accelerate development.
- Built maintainable full-stack solutions by integrating React Native frontends with Laravel APIs via Inertia.js, improving team velocity and code quality.
- Collaborated with designers, QA, and backend engineers to deliver stable, user-focused features, reducing crashes and improving overall app experience.
- Developed and published the *Bima* mobile app for iOS and Android; built the web front end with Vite and implemented the back end using Laravel.

### Freelance Developer

Remote

#### Mobile & Web Application Developer

Feb 2023 – Jun 2024

- Developed a hospitality order management app (AceLounge) that improved table turnover by 15% and reduced customer wait times by 22% using React Native and real-time data synchronization.
- Created a custom dental insurance management platform for a US-based client, including secure data handling and claims processing workflows.
- Implemented a Petrol Drill Analysis System as part of a thesis project for the Syrian Private University, delivering a user-friendly interface for geological data visualization.
- Optimized API integrations across multiple projects, reducing latency by 35% through caching strategies and efficient data fetching.

### Wave – Deepfake and Fake News Detection Platform

Feb 2025 – Jun 2025

#### Lead Developer

Damascus, Syria (Senior Project)

- Developed a dual-module system for misleading news and synthetic audio deepfakes with NLP analysis.
- Engineered audio deepfake detection using Wav2Vec2 models with optimal fitting on multilingual datasets.
- Built NLP pipeline with XLM-RoBERTa model, tuned for balanced precision and recall on news content.
- Created Flutter application with bilingual interface, offline caching, and push notifications.
- **Tech Stack:** Python, PyTorch, Flutter, Node.js, FastAPI, Transformers, PostgreSQL, Docker

## TECHNICAL PROJECTS

### Zones – World Clock & Timezone Collaboration App

May 2025 – Jul 2025

#### Independent Developer

Damascus, Syria (Side Project)

- Built mobile applications to manage and visualize global timezones and to simplify group expense sharing, enabling remote collaboration and reducing settlement time by 40% for groups of up to 20 users.
- Implemented persistent state management with Zustand and AsyncStorage for offline functionality.
- Designed intuitive interfaces using Expo Router and NativeWind, leading to positive feedback from beta users and enhanced user retention (25%) through thoughtful UI/UX design and push notifications.
- Developed algorithms for complex expense distribution and implemented JWT-based authentication for secure access.
- **Tech Stack:** React Native, TypeScript, Expo, Zustand, Luxon, Firebase, JWT Authentication

### FUSE – Financial Universal Service Ecosystem

Jan 2024 – Jul 2024

#### Developer

Damascus, Syria (Junior Project)

- Built financial ecosystem with mobile wallets, P2P transfers, and AI-driven spending analytics.
- Implemented RSA/AES-256-GCM encryption securing API's across web and mobile platforms.
- Developed fraud detection model on 2.7M transaction dataset, achieving balanced metrics.
- Created React Native wallet application with NFC/QR code payment and AI financial advisory features.
- **Tech Stack:** Python, Node.js, React Native, Next.js, PostgreSQL, XGBoost, TypeScript

## SKILLS

**Programming Languages:** Python, JavaScript/TypeScript, Java, C++

**Frameworks & Libraries:** React, React Native, Next.js, Tailwind CSS, Redux Toolkit, Zustand, Node.js, Express, FastAPI, Flask, Laravel, Prisma

**Databases & Storage:** PostgreSQL, MongoDB, SQL, Firebase, Redis, AsyncStorage

**DevOps & Tools:** Git, Docker, REST APIs, JWT, CI/CD, Expo, App Store & Google Play publishing

**AI/ML:** PyTorch, TensorFlow, Scikit-learn, XGBoost, LSTM, RNN, NLP, Classification, Feature Engineering

**Security:** RSA/AES-256-GCM Encryption, Secure API Design, Authentication Systems

**Languages:** Arabic (Native), English (Proficient)

## CERTIFICATIONS

**Meta:** React Native (Jul 2024), Introduction to Android Mobile Apps

**freeCodeCamp:** JavaScript Algorithms and Data Structures, Responsive Web Design (2023)

**Coursera:** Introduction to AI — **Sololearn:** JavaScript, C++, Java, HTML, CSS (2023)

*References and detailed recommendation letters available upon request*