

HUSSEIN HAMDAN

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SUMMARY

Software Engineering student with hands-on full-stack web development experience, including a live, deployed government e-services platform built with PHP/Laravel and full bilingual English/Arabic (RTL) support. Comfortable across front-end and back-end work, database management, website testing, and technical documentation. Strong written and spoken communicator in Arabic and English, used to working both independently and in a team.

EDUCATION

B.E. in Software Engineering

Antonine University, Baabda, Lebanon

Expected Jul 2027

GPA: 3.2 / 4.0

Relevant Coursework: Web Programming, Database Programming, Data Structures, OOP, Computer Architecture, Networking, Artificial Intelligence

TECHNICAL SKILLS

Front-end: HTML/CSS, JavaScript, Blade, Bootstrap 5, Vite, responsive & RTL bilingual layouts

Back-end: PHP, Laravel, Node.js, Express, REST APIs, JWT, Socket.io

Databases: MySQL, PostgreSQL, MongoDB, SQL Server; normalization, stored procedures, query optimization

Languages: SQL, Python, Java, JavaScript, PHP, C++

Testing & Tools: PHPUnit, Git/GitHub, Postman, VS Code, Heroku, Linux

AI & Data: Comfortable using AI developer tools; NumPy, Pandas, Scikit-learn, TensorFlow/Keras

PROJECTS

CedarGov – Municipal E-Services Platform *(team of 5)*

Laravel, PHP, Blade, Bootstrap, PostgreSQL

- Built the citizen-facing portal of a live, deployed Lebanese municipal e-services platform (cedargov.app): service-request submission, appointment booking, document resubmission, and QR-code status tracking.
- Designed and implemented a custom CSS design system with full bilingual support (English + Arabic, RTL layout) across the citizen experience.
- Collaborated through a feature-branch Git workflow with peer code review and PHPUnit test coverage.

PowerShare – Generator Subscription Platform

Node.js, Express, MySQL, Socket.io

- Designed and normalized a 24-table MySQL schema (users, subscriptions, billing, wallets, loyalty rewards) with optimized indexing across 90+ API endpoints.
- Architected 33,000+ lines of backend code with 6 middleware layers handling authentication, rate limiting, and input validation; deployed on Heroku.

RecipeApi – RESTful Backend Service

Spring Boot, MongoDB, JWT

- Built a secure REST API with 18 endpoints supporting pagination, sorting, and full-text search across 5 data models, with JWT role-based access control for 2 user roles.

Handwritten Letter Recognition

Python, TensorFlow, Keras, CNN

- Preprocessed 628,000+ EMNIST samples and trained a 12-layer CNN achieving high accuracy across 52 classes.

EXPERIENCE

AI / ML Training Program *XpertBot (Remote)*

Dec 2025 – Jan 2026

- Built and evaluated multiple ML model types (classification, regression, clustering) with Python, Scikit-learn, NumPy, and Pandas, and constructed CNN/LSTM architectures with TensorFlow/Keras.

CERTIFICATIONS & LANGUAGES

Certifications: Career Essentials in Generative AI (Microsoft & LinkedIn) · AI Fundamentals (DataCamp) · Data Science & Analytics (HP LIFE)

Languages: Arabic (Native) · English (Professional) · French (Professional)