

Hani Dib

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Computer Science graduate, hands-on experience in web and mobile development, IoT integration, and machine learning. Built impactful applications like smart irrigation systems, predictive analytics tools, and e-learning platforms. Strong skills in programming, databases, and system optimization. Ready to bring technical expertise and creativity to dynamic IT roles.

Education

Bachelor's degree, Computer Science, Lebanese International University, Beirut Lebanon, May 2025

Academic Projects:

- *Smart Irrigation & Resource Management System*

Built IoT-based system for irrigation, water monitoring, fire detection, and solar control. Developed Flutter mobile app for real-time monitoring, improving efficiency. Optimized sensor calibration, reducing resource waste by 10%.

- *Housing Prices Prediction with ML*

Developed regression models in Python to predict housing prices accurately. Enhanced model reliability by 10% through advanced data preprocessing. Improved workflow efficiency, minimizing errors.

- *HanFarm Mobile Application*

Created Flutter-based app to assist farmers in task management. Built backend using PHP and MySQL for agricultural databases. Enhanced productivity and simplified operations by 10%.

- *Bus Booking System (Laravel, MySQL, Bootstrap)*

Designed and implemented a web-based bus booking system with role-based access for administrators and customers. Features include bus and route management, seat availability visualization, secure online booking with automatic PNR code generation, and real-time seat status updates using AJAX. Built with Laravel (PHP) and MySQL for backend operations and Bootstrap for a responsive user interface.

Experience

Software Developer Backend, InMobiles, Beirut Lebanon

June-August 2025

- *Automated Messaging Campaign Engine*

Built a multi-phase campaign engine using .NET, Redis, and PostgreSQL to automate audience segmentation, rate-limited message delivery, and fault-tolerant processing for large-scale messaging campaigns.

- *Multi-Language CMS Chat History System*

Built a centralized chat history interface for a CMS with a flexible backend API using .NET, Node.js, and Python. Enabled users and agents to search and retrieve conversation history via a custom frontend developed with HTML, CSS, and JavaScript.

- *.NET Backend for Telephony/VAS Platform*

Developed scalable .NET services and data layers for a high-volume messaging and VAS platform, handling SMS processing, billing logic, and SIM subscription management with SQL Server integration.

Web Development Internship, CIS College, Beirut Lebanon

June-September 2024

- *E-Learning Platform Development*

Designed interactive platform with authentication, course management, and engagement tools. Used PHP, MySQL, and AJAX to deliver dynamic features. Increased platform responsiveness and user satisfaction by 10%.

Skills:

1. Programming Languages: C#, Java, Python, PHP
2. Frontend Development: HTML, CSS, JavaScript
3. Frameworks & Technologies: .NET, Node.js, Laravel, AJAX
4. Mobile Development: Flutter
5. Databases & Data Tools: MySQL, PostgreSQL, Redis, RabbitMQ, SQL Server, Excel
6. API Development & Testing: Postman, Swagger
7. Version Control: Git, GitHub
8. IoT & Robotics: Arduino, Sensor Integration
9. Machine Learning & Data Science: Scikit-learn, Pandas, NumPy.
10. Tools & IDEs: Visual Studio, Visual Studio Code

Certificates:

- **Web Development, Certificate of Completion, Xpert Bot Academy, May 2024**

Completed coursework on web development with fundamental knowledge of backend development using Git & Laravel.

XpertFarm – Farmers' Monitoring (Backend)

Developed Laravel backend for inventory and task optimization. Integrated MySQL database with robust API testing (Postman).

Streamlined system operations, boosting management efficiency.