Mahmoud SAIFAN

Personnel details

📍 Barja, Lebanon

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Skills

Languages and Frameworks
PHP, Laravel, React.js, Asp.net, PrismPHP , Tesseract.js , HTML5, CSS3, C#, JavaScript, C, VB.net, MySQL.

Software and tools
VS code, Visual Studio 2022, Code Blocks, SharpDevelop4.4, PyCharm, Cisco Packet Tracer, Proteus8, NI Multisim, MP Lab, MATLAB, Arduino, Quartus 2, ADS, PCAAD, VMware, Ubuntu8.04, Kali Linux Word, Powerpoint , Access, GitHub, Postman, XAMPP, Ollama.

Qualities

- Curious.
- Creative.
- Work under pressure.
- Team Player.

Languages

- Arabic
- French
- English

Profile

I am a licensed graduate in **Computer and Communications Network Engineering**, aiming to build a career as a **Software Engineer**. I specialize in backend and full-stack development using **PHP (Laravel)** and **React.js**, and I have practical experience integrating **AI tools** like OCR and PrismPHP into web applications. I've led and contributed to multiple real-world projects that demonstrate my ability to design scalable, maintainable, and user-focused systems. I am passionate about building smart, efficient, and impactful software solutions.

Experiences

Training: Integrated Digital System(IDS)

05th Aug 2024 - 30th Dec 2024 (240 hours)
Supervisor: Ms.Suha Mneimneh.   Online

- Gained foundational skills in PHP programming, including variables, data types, loops, and functions.
- Designed and managed databases using MySQL, performing CRUD operations efficiently.
- Developed dynamic web applications using PHP and integrated front-end technologies (HTML,CSS,JavaScript).
- Applied PHP-OOP principles such as inheritance, encapsulation, and polymorphism.
- Collaborated with a team through code reviews and project management tools, enhancing teamwork and communication skills.

Training: OGERO

30th Apr 2025 - 30th Jun 2025
Supervisor: Mr.Mostafa Fares.   Online

- Built a secure **admin dashboard** using **React.js**
- Implemented **authentication system** with protected routes and role-based access
- Created a dynamic **user management interface** (add, edit, delete users)
- Managed a **hierarchical employee structure** (departments, teams, roles)
- Used **JSON Server** as a mock REST API for data storage and testing
- Applied **React Hooks** and **Context API** for state and access control
- Ensured **responsive design** for both desktop and mobile views

Extracurricular activities

Internship Project

05th Aug 2024 – 30th Dec 2024
Supervisor: Ms.Suha Mneimneh.

Developed the **Activity Club Portal**, an online system designed to streamline club management and enhance user engagement. The platform consists of an **Administration Section**, enabling secure access for administrators to manage users, events, guides, and site content dynamically, and a **Public Section** with a user-friendly interface for visitors and members to explore events, register, and track participation. Utilized **HTML, CSS, and JavaScript** for the front end and **PHP** with **MySQL** for the backend, demonstrating strong skills in full-stack web development.

Senior Project

15th Mar 2025 – 28th Jul 2025

Supervisor: Dr.Abdel Salam El Hajjar

PriceFinder is a full-stack web application that enables users to compare product prices by uploading invoices. It uses OCR and AI to extract structured product data, supports community interaction through reviews and discussions, and includes a full admin management console.

Technologies Used

- **Backend:** Laravel (PHP), MySQL — following the **MVC architecture**
- **Frontend:** HTML5, CSS3, JavaScript, Blade templating
- **OCR Integration:** Tesseract.js (in-browser OCR)
- **AI Processing:** PrismPHP + **Ollama AI** to extract store, date, and product data from OCR text

Key Features

- **Product Upload with Invoice**: Users can submit product information along with a scanned invoice image
- **OCR + AI Extraction**: Automatically extracts store name, date, and product list from image using **Tesseract.js** and **Ollama AI**
- **Product Review & Rating**: Users can rate products and write detailed reviews to help others
- **Discussion System**: Enables open product discussions and user-generated feedback
- **Price Comparison**: Compares uploaded prices for the same product from different stores
- **Admin Console**: Allows administrators to manage users, products, invoices, reviews, discussions, and verify data

Outcome

- Successfully delivered a robust AI-powered platform combining **image recognition**, **data extraction**, and **community features**
- Demonstrated advanced skills in **full-stack development**, **OCR + AI integration**, and **user/admin system design**

Education

Computer and Communications Network Engineering

Lebanese University, Faculty of Technology
2022-2025(Graduated)

Bachelor of General Science

Barja modern school
2021-2022(Graduated)