

HAMDY SALAH

Back-End Developer || System Administrator

CONTACT

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📍 Assiut Egypt

🌐 [MyPortfolio.com](#)

[in HamdySalah](#)

[hamdy-salah](#)

PROFILE

A Software Engineer with a focus on back-end development and open-source technologies. Holding a Bachelor of Information Technology from Assiut University, I am currently enhancing my expertise through a Diploma in Open-Source Development at the ITI 9-Month Program. Proficient in PHP, Laravel, Python, Django, Node.js, MySQL, NoSQL, and cloud technologies, I have successfully contributed to diverse projects, including e-commerce platforms, portfolio websites, database systems, and content management systems. Experienced in leading collaborative teams.

EDUCATION

Oct 2024 – In Progress

9-Month Professional Diploma - Professional Training Program (PTP)

Open-Source Track, Information Technology Institute (ITI) – Ministry of Communications, Egypt

Projects:

1- Coffee-PHP-Project - URL: [Project Link](#) : <https://github.com/HamdySalah/Coffee-PHP-Project>

Description: Coffee Shop PHP Project A dynamic e-commerce web application for a coffee shop, built with PHP and MySQL. This project demonstrates back-end development skills, including database management, server-side logic, and modular code organization

- **Technologies:** PHP, MySQL, HTML, CSS, JavaScript

5- Nile-Treasures - URL: [Project Link](#) : <https://github.com/HamdySalah/-Nile-Treasures>

Description: A front-end web application developed in JS and ES6

Technologies: HTML, CSS, JS, ES6

3- Bash-Script (DBMS) - URL: [Project Link](#) : <https://github.com/HamdySalah/Bash-Script-Project>

Description: The Project aims to develop DBMS that will enable users to store and retrieve the data from Hard-disk. The Project Features: The Application will be CLI Menu based app, that will provide to user this Menu items: Main Menu.

Technologies: Bash, Shell, Linux

4- Student Grade Management System - URL: [Project Link](#) : <https://github.com/HamdySalah/StudentGradeManagementSystem>

Description: A simple console-based program for managing student records, grades, and subjects. Designed in C with features for adding, updating, calculating, and displaying student data.

Technologies: C Language

6- Laravel-CRUD-App - URL: [Project Link](#) : <https://github.com/HamdySalah/Laravel-CRUD-App>

Description: CRUD operations (Create, Read, Update, Delete) are fundamental to many web applications.

Technologies: Laravel, Bootstrap

Jul 2020 - June 2024

Bachelor of Information Technology

Faculty of Computer and Information Technology, Department of IT, Assiut University, Egypt

Projects:

1- Live-Chat-Application - URL: [Project Link](https://github.com/HamdySalah/Live-Chat-Application) : <https://github.com/HamdySalah/Live-Chat-Application>

Description: This is a live chat application using C# and Windows Forms, developed as a part of my Network Programming class.

Technologies: Network Programming, C#, Windows Forms

2- Sign-Language-Translator - URL: [Project Link](https://github.com/HamdySalah/Sign-Language-Translator) : <https://github.com/HamdySalah/Sign-Language-Translator>

Description: Computer Vision to detect hand landmark and compare it with data in dataset then translate it to words which we can understand.

- **Technologies:** Jupyter Notebook, Python

3- Weather-Reporting-System - URL: [Project Link](https://github.com/HamdySalah/Weather-Reporting-System) : <https://github.com/HamdySalah/Weather-Reporting-System>

Description: Our system addresses the lack of a local meteorological unit at our university, which previously led to incorrect decisions about class cancellations due to bad weather.

- **Technologies:** IOT, HTML, CSS, JS, Firebase Database
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WORK EXPERIENCE

Freelance:

Participated in WordPress website development, customizing themes and plugins to meet client requirements and improve user experience.

Remote | 2025

URL: <https://aldrees.info/>

SQLite Geolocation Data Deduplication Script

Remote | 2025

- Developed and deployed a custom Python script to clean and deduplicate records in an SQLite map database.
- Removed over 10,000+ duplicate placemark entries based on geolocation fields (name, longitude, latitude, altitude), preserving only the earliest unique entries by id

AI-Based Football Match Analysis System

Remote | 2025

- Collaborated an advanced computer vision system for analyzing football match footage in real-time. The system performs player and referee recognition, ball tracking, and field-aware detection with high accuracy.
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SKILLS

Web Development & Programming

- PHP, Python, Java, C/C++, JavaScript
- HTML5, CSS3, Bootstrap, Tailwind CSS, JavaScript (ES6+), jQuery
- MySQL, Firebase, PostgreSQL, MongoDB
- WordPress (Theme Customization & Development)
- Git, GitHub, Composer, Postman, VS Code
- RESTful APIs
- PHPUnit (Unit Testing)
- Agile Methodology, MVC Pattern, CI/CD (Basics)

System Administration

- Linux (Ubuntu, Red Hat)
 - Shell Scripting, User & Group Management, File Permissions, Cron Jobs, System Services
 - SSH, SCP, Nano/Vim, Package Managers (apt, yum)
 - Docker (Basics), Command Line Tools
 - Firewall settings, Log Management, System Updates
 - Cloud Computing (Basics)
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Languages

- **Arabic:** Native
 - **English:** Fluent
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Additional Info

Volunteer Experience:

Volunteered in a charity project at college during the second year.

Roles included: Volunteer, HR Coordinator, Financial Officer then Leader