

Nouf Alharthi

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[Linkedin](#) • [GitHub](#) • [Portfolio Website](#)

Skills

Programming:	PHP, Python, Java, JavaScript, C++, Dart
Web and Database:	HTML, CSS, MySQL, MongoDB
Frameworks:	Laravel, Flutter, PyTorch, Bootstrap, ReactJS, Flask, Django
Tools and Technologies:	Git, Firebase, Docker, Azure, Linux, LaTeX, Visual Studio, VSCode, MS Office
Languages:	English, Arabic

Education

Bachelor of Computer Science, Taif University, **CGPA: 3.90/4** Sep 2019 – Jun 2023
Relevant Coursework: C++, Java OOP, D.S & Algorithms, Relational Database, Artificial Intelligence, Neural Network.

Projects

Masaruna -A Mobile Application for Transportation Management- ([GitHub](#)) Sep 2022 – Feb 2023

Graduation Project

Tech Stack: Dart, PHP, MySQL, Flutter, Laravel, Firebase

- Plan and design the Gantt Chart and manage the workflow of the project.
- Designed the application structure and built the Use Case, Activity, and Class diagrams.
- Helped create the application's prototype alongside the low-fidelity team.
- Implemented the user interface using **Flutter Framework**.
- Contributed to the design of the Relational Database Schema for the database and implemented it using **MySQL**.
- Implemented the **OTP** feature using **Firebase Cloud Messaging** and validated the user input.
- Integrate **Google Map API** services to incorporate user location and driver routing.
- Contributed to building the backend services using **Laravel Framework**.
- Entirely implemented the manager Dashboard using **Voyager (Laravel admin package)**.
- Participate in the testing and bug-fixing of applications.

Go Uni –University driver telephone directory web Application- ([GitHub](#)) Mar 2022- Mar 2022

Course Project

Tech Stack: HTML, CSS, PHP, JavaScript, MySQL

- Lead a team of 5: organized meetings, delegated tasks, help teammates debug, etc. Final grade of **100%**.
- Design the overall website concept and architecture.
- Implemented the database using **MySQL** and coded the entire backend services using **PHP**.
- Link the entire website pages using **PHP** and **JavaScript**.
- Tested the user interface and enhanced the user's experience by implementing a **search filter**.

Handwriting recognition machine learning model ([GitHub](#)) Jan 2022- Jan 2022

Tech Stack: Python

- Implemented a **machine learning model** using a support vector machine algorithm with **98% accuracy**.
- Implemented a **handwriting application** developed in **Python** using the pygame library and the skimage library to test the model in real time.

An expert system for tourism in Taif ([GitHub](#)) Feb 2021- Feb 2021

Tech Stack: Prolog

- Collect the data, design the logical rules, code, and deploy the system.

Achievement and Volunteers

- Take part in the 2022 ICPC Saudi Collegiate Programming Individual Contest achieving **1st** place Aug 2022 - Sep 2022 at the level of Taif University and the **top 100** programmers at the level of KSA, and qualify for the finals, as well as obtain training in problem-solving at **Tuwaiq Academy**.
- Take place at the IEEEEXtreme 16.0 contest and ranked **1st** on Taif University and **14** on KSA. Oct 2022 - Oct 2022
- Volunteer at the Saudi CPC community as a problem-solving coach Aug 2022 - Present to prepare university students for the Saudi CPC contest.