

Nawar Fahmi

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Education

Rafik Hariri University

April 2024

BE in Computer and Communications Engineering

Mechref Lebanon

- President's honor list fall and spring of 2020/2021, 2021/2022 and fall of 2022/2023
- Dean's honor list spring of 2022/2023
- Overall GPA: 93 / 100

Work Experience

Full Stack Web-Dev Intern, Abuseedo Trading LLC - Dubai UAE

June 2023 – August 2023

- **Designed and deployed a Django subscription-based website named chatpdfpro.** The website allows its users to upload and chat with any PDF (text/scanned document) by utilizing **OpenAI APIs**. It uses **Postgres** with the PGvector library to manage accounts and PDFs. **Docker compose** was used to manage the containers (**web, database, Redis, celery**) and ease in deployment to the private server (**Apache**).
- **Researched AI** and ways it can be integrated in Web Applications.
- Design and build **web apps** as a full stack developer using various frame works (Django, Flask...).
- Implement AI **third-party services** that can be imbedded into web apps using **APIs**.

Lab Assistant, Rafik Hariri University, Mechref Lebanon

May 2021 - March 2023

- Assistant in **teaching** and the experiment preparation for the Logic Design lab at RHU that dealt with **building sequential and non-sequential logic circuits**, as well as **programming** an FPGA using Verilog on the Quartus Prime software.

Projects

Flask website with PDF Document Interaction

- Implemented a website that allows users to upload and search for info present in the PDF document through a chat feature.
- Utilized OpenAI APIs for real-time chatting and querying functionality.
- Implemented a user-friendly interface for uploading and managing the documents.

Autonomous Crat for the Visually Impaired

- Designed the Item detection system for the cart to detect items on the shelf and inside of the cart using computer vision in Python.
- Designed and implemented the navigation system of the cart using computer vision where the cart matched items it detects on the shelf with their corresponding location in the mall database in Python.
- Designed and implemented a model to detect and guide the user's hand when picking items from the shelf and placing them in the cart in Python.

Flight Booking Website

- Led front-end development for the website which enabled personalized trip planning. Implemented responsive design with HTML5, CSS3, and JavaScript, and utilized JSON for storing locations and trip details.
- Integrated a 3D rendering JavaScript library to render an interactive globe, visualizing flight patterns and destinations dynamically.
- Developed features allowing users to sign in, search for flights, and explore travel options.

Lebanese Elections Database Management System

- **Database Management System** for Lebanese Election Results with an intuitive GUI using C# and

MicrosoftSQL server. The system was designed and implemented in **visual studio**.

- Developed a user-friendly GUI using C# WinForms that handles all user interactions with the Microsoft SQL server database with .NET handling the backend.
- Developed querying methods to calculate the winning candidates among other statistics.

Twitter Sentiment Analysis

- Preprocessed and performed data manipulation on datasets using spacy, pandas and NLTK packages.
- Classified input tweets and scraped and classified entire twitter profiles using trained Naïve Bayes model.
- Used sklearn package to test different classifier models.

Skills

- **Programming Languages:** Python, C++, C#, MATLAB, Verilog
- **Web Development:** Django, Flask, HTML, CSS, JavaScript, Docker Compose
- **Database Management:** SQL, Microsoft SQL Server, Postgres
- **Networking:**
 - CCNA 1: Introduction to Networks
 - CCNA 2: Switching, Routing, and Wireless Essentials
 - CCNA 3: Enterprise Networking, Security, and Automation
- **Software and Tools:** Linux, MS Excel, MS Access, MS PowerPoint, MS Word, Git
- **Computer-Aided Design:** MATLAB Simulink, LabView, Blender, CST Studio Suite, Proteus, Quartus Prime, MicroCap.

Certifications

- CCNA 1 Introduction to Networks certifications from CISCO's Networking Academy.
- CCNA 2 Switching Routing and Wireless Essentials certifications from CISCO's Networking Academy.
- CCNA 3 Enterprise Networking, Security, and Automation certifications from CISCO's Networking Academy.