

FADY JOHN

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🌐 FadyJohn10

🌐 Portfolio Website

EDUCATION

New York University | Bachelor of Computer Science

Aug 2022 - May 2026

WORK EXPERIENCE

Interactive Media Student Assistant

Mar 2023 - Jun 2023

New York University Abu Dhabi

- Managed the Arabic course website, ensuring up-to-date content and usability.
- Collaborated in short video production and editing, contributing to engaging multimedia content.

Full-Stack Developer

Jul 2023 - Present

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- Designed and developed the website interface using Tailwind CSS.
- Optimized data fetching algorithms and implemented data caching, significantly improving overall performance.
- Developed a feature to match users based on their interests using Content-Based matching algorithm.

Digital Humanities Research Assistant

Oct 2023 - Present

New York University Abu Dhabi

- Trained an Arabic Handwritten Text Recognition model, improving its character detection accuracy from 71.7% to 92.5%
- Conducted data cleaning and error-spotting to ensure the accuracy of the training set and increased it with 20k words

PROJECTS

Website Performance Tracker

Github Repo

- Developed a web app using ReactJS, nodeJS, and MySQL to analyze websites and collect performance metrics.
- Implemented a user authentication system and data storage to enhance user experience and functionality.
- Utilized Chart.JS for data visualizing and tracking website performance metrics over time.

Bolt Chat Bot

Github Repo

- Developed a chatbot using PyTorch, incorporating NLP methods for text processing using NLTK.
- Utilized the TextRank algorithm to implement a text summarization feature, allowing users to generate concise summaries of text content based on their specified length preferences.

Car Accident Prevention System

Github Repo

- Developed a system for detecting driver drowsiness using M5stack (controlled through Arduino IDE).
- Implemented an algorithm to detect deviant head tilt and a check-in feature to ensure the driver's attention to the road.

Go Fishing

Github Repo

- Utilized JavaScript to create a multiplayer browser-based fishing game, integrating smooth user controls, sound effects, and an array of fish species to provide an immersive fishing experience.

LEADERSHIP AND COMMUNITY INVOLVEMENT

Web Developer

IEEE Helwan University Student Branch

- Instructed 8+ full-stack web development workshops for 50+ students, covering HTML, CSS, JavaScript, and PHP.
- Mentored 2 teams during the Texos web development competition; provided continuous technical guidance throughout the hackathon, getting one of the teams to achieve the first-place prize.
- Collaborated in designing and coding the branch website with ReactJS, PHP, and MySQL.

Head of Web Development Team

STEM High School For Boys

- Guided 30+ freshmen to learn web development, providing them with tasks and feedback.
- Created the school website UI-UX design and led the web development team to build the website.
- Created a monthly report, analyzing the website performance and SEO.

SKILL SET

- HTML / CSS
- JavaScript / JQuery
- Bootstrap / Tailwind
- ReactJS
- NodeJS
- MySQL / Firebase
- C++ / Python
- Photoshop / XD

COURSE WORK

- Discrete Math
- Algorithms
- Data Structures
- Computer Systems Organization

LANGUAGES

- Arabic native
- English fluent
- French beginner