

## **Mohamed Hani Aly**

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### **Education**

**Bachelor of Science, Management Information Systems**, Arab Academy for Science & Technology & Maritime Transport (AASTMT), July 2021

**GPA:** 3.1/4.0

**American Diploma**, Manor House International School, June 2012

### **Relevant Experience**

#### **Book Rental System, AASTMT, Sept. 2020-July 2021**

- As part of the graduation project, designed a system to handle customer information and book orders, and designed an associated website that was both functional and elegant with a user-friendly UI.
- Created a multi-leveled Data Flow Diagrams (DFD) with an accompanying Entity Relationship Diagram (ERD) for the system using Microsoft Visio & other diagramming tools.
- Developed the backend using PHPmyAdmin, PHP & MYSQL, and the frontend using HTML, CSS & JavaScript.
- Performed market research and analysis of bookstores in Egypt & their platforms to evaluate opportunities and determine the appropriate entry point.
- Conducted interviews with people who worked in known bookstore chains in Egypt to get a better understanding of the competition in the market.
- Prepared & conducted a survey to end-users to determine the most frequently used methods for book ordering whether that is brick & mortar or online.

#### **Face detection web app, Freelance, Dec2021-Jan 2022**

- Developed a web app that takes user input images and detects where the face is.
- Developed the frontend with react to handle states and tachyons to handle styles.
- Implemented a connection with “Clarifai” API to handle the face recognition through machine learning.
- Developed a backend server with user login & registration in NodeJS & Express.
- Connected the backend with the database through Knex.js middleware.
- Created a PostgreSQL database to store user data.
- Implemented one-way password hashing for increased security through “bcrypt”.
- Deployed the app, server & database through Heroku hosting services.

### **Computer & Linguistic Skills**

- Good knowledge of HTML & CSS with or without bootstrap or other CSS libraries
- Good knowledge of frontend JavaScript with or without libraries like react
- Good knowledge of backend JavaScript using NodeJS & Express
- Good knowledge of how to build RESTful APIs & how to interact with existing ones
- Good knowledge of RDBMS, ORDBMS or document-oriented databases using MySQL, PostgreSQL & MongoDB respectively
- Fluent in both written and spoken English and Arabic

## Courses & Certificates

