

# Mamdouh Hazem Akram Amin

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## EDUCATION

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**The Arab Academy for Science, Technology and Maritime Transport (AAST).**  
**Bachelor of Computer Science in Software Engineering and Information Systems.**

**Cairo, Egypt**  
**July 2024**

**Grade: Excellent with honours.** Fresh Graduate.

## SKILLS

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- Go(Golang) gin library by Go, JAVA, C, C++, PHP, Python, R programming, RESTful APIs.
- HTML, CSS, Bootstrap, WordPress CMS.
- SQL, PostgreSQL, Gorm, MySQL, Postman, Junit, OWASP ZAP.
- GIT, GitHub.
- Linux, Docker and Containerization.
- Data Structures, Computing Algorithms, Problem Solving, Machine Learning, OOP.
- Agile Software Development, Trello platform.
- Good team work, Fast learner, Well-Organized.

## PROJECTS

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### **Graduation Project (Grade: A+): "Dentify-X"**

AI Dental Tool that helps Dentists diagnose x-ray images, a Web-App with portals for the Dentists, Patients, and Admins.

- Used Pretrained YOLOV8 model.
- Backend Development: Golang(gin), Gorm, PostgreSQL. Testing: Postman, Go Testify package, Junit. OpenSSL.

**Data Science:** EDA(Exploratory data analysis), Data cleaning, Data visualizations, training the dataset using different Regression ML models.

**Clinic Management System:** Collecting Requirements through physical meetings with stakeholders, designing different UML diagrams to represent different functionalities of the system.

**Pharmacy System:** Technologies used: Oracle SQL Server.

**Courses Registration System:** Technologies used: JAVA Adhered to OOP and solid principles.

**Gym Website:** Technologies used: HTML, CSS, Javascript,PHP

**PROFESSIONAL EXPERIENCE**

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<b>Surge Technologies.</b> Software Engineer [Part-Time]. <ul style="list-style-type: none"><li>• Odoo ERP Development.</li><li>• Dev-ops.</li></ul>	<b>Cairo, Egypt</b> <i>10/2024 - Now</i>
<b>IOTBLUE.</b> Backend Software Engineer [intern]. <ul style="list-style-type: none"><li>• Worked on a fire alarm system using a low-code Software Development, Created dashboards to control and view the fire alarm system.</li><li>• Worked on Acendance/VacaQon System for the employees at IOTBLUE using Golang, gorm, gin library, PostgreSQL database and tested APIs using postman.</li></ul>	<b>Cairo, Egypt</b> <i>08 / 2023 – 10 / 2023</i>
<b>Digital Blocks.</b> Software Test Engineer [Intern]. <ul style="list-style-type: none"><li>• write test cases and bug reports.</li></ul>	<b>Cairo, Egypt</b> <i>08 / 2022 - 09/2022</i>