Omar Ashoor

Bachelor of Engineering Alexandria University
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EDUCATION

Degree	Institute	Board / University	GPA/Percentage	Year
Bachelor	Alexandria University	SSP/CCE	3.6	2019-Ongoing
Senior / Secondary	El Quds International School (QIS)	IGCSE	97.2%	2016-2019

EXPERIENCE

- **Eventum IT Solutions** — *July 2023 - September 2023*
  Software Development Intern (on-Sight Alexandria) — **Certificate**
  - Using agile methodology, Git version-control and dealing with testing team
  - Team scrum master
  - Dockerising the project with multiple environments (MySQL,maven & node)
  - Making industrial scale examination Website from scratch with different users
  - Using react for frontend (using react redux toolkit and material UI for styling), Maven Java-Spring and Hibernate for backend and an express Proxy Server
- **ANRPC (Alexandria national petroleum company)** — *July 2023*
  Networks and Security Intern (on-Sight Alexandria) — **Certificate**
  - Knowledge about used networks, firewalls and VM-wares and how they are handled
- **RMZ-tech** — *July 2022 - August 2022*
  Software Development Intern (Hybrid Alexandria) — **Certificate**
  - Software development using laravel making a university website with full front-end and back-end
- **Ezz-Steel** — *July 2022*
  Software Development Intern (on-Site Alexandria) — **Certificate**
  - Vanilla web development using HTML, CSS and JavaScript

PROJECTS

- **Library System** — *December 2023*
  Software Engineering — **Github**
  - MVC architecture with Spring Boot Backend (Hibernate & JPA Repositories), Vue Frontend (Vuetify) and MySQL database
  - DevOps (Three docker images one for frontend, one for backend and one for the database) all in one container
- **Padding Oracle Attack Simulation** — *November 2023*
  Computer and Network Security — **Github**
  - Padding oracle attack simulation with Java
- **Visual Question Answering** — *June 2023*
  Pattern Recognition — **Github**
  - Using Pytorch library combining pretrained text encoding and Image encoding models from openAI (CLIP models) and making a model with input the concatenated encoding outputs
  - Used attention and fully connected layers (shallow network as already encoded) and validation data
- **Emotion Classification** — *May 2023*
  Pattern Recognition — **Github**
  - Using TensorFlow library with no pretrained models
  - Convolution neural networks with train and validation data
- **TCP using UDP** — *April 2023*
  Computer Networks — **Github**
  - Using Python specyfing flags as (syn,ack,fin, ...etc) and timeout and understanding of both get and post requests
- **Smart Home using Arduino** — *January 2022*
  Logic 2 — **Github**
  - Software and hardware using multiple sensors (temprature, light, ultrasound,...etc) and motors with Bluetooth mobile app
- **Frequency Generator** — *April 2022*
  Embedded Systems — **Github**
  - using 8051 Software and hardware setup frequency range(1Hz 9999Hz)
  - Handling output frequency, 4-digit 7-segment, 4x4 keyppad using interrupts handling overhead from affecting the frequency

TECHNICAL SKILLS

- **Programming Languages**: C/C++, JavaScript, Python, Java, Go, Assembly, Arduino, Bash & Yaml
- **Frameworks**: Spring Boot, React JS, Vue & Laravel
- **Operating Systems**: Windows, Linux & Mac OS
- **Fields of expertise**: Database SQL, Machine learning, Docker, Web Development, Embedded Systems, Security & Networks

VOLUNTEERING

- **Beach cleanup with EU Jeel**: July-September 2023
- **Iftar bags warehouse with Alpha Apollo**: Ramadan 2022

EXTRA CONTACT INFORMATION

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Last updated: March 30, 2024