






# OMAR WAEL SAAD ELDWAKHLY

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Omar Wael Portfolio



## EDUCATION

**college | faculty of engineering - Ain shams university**

2018 – 2023

electrical engineering department, Computer, and systems (Artificial Intelligence) track.

Grade: very good.

**ITI 9m Scholar Ship | Information Technology Institute – Smart Village**

2023 INTAKE 44

Java Enterprise & Web applications Development track, 9 months scholarship program intake 44.



## EXPERIENCE

- Designed a circuit to count from 0 to 60 using logic gates.
- Constructed Arduino car project.
- Developed matrices calculator program using C++ programming language.
- Designed GPS system using TIVA C microprocessor (Embedded systems).
- Developed Arithmetic and Logical Unit using Verilog language.
- Constructed CPU & DMA controller using Verilog (Hardware programming language).
- Constructed XML file operations (to JSON, graph, check errors, and others) using C++ with Gui and decreased run time by 20%.
- Learned about azure platform services for machine learning.
- Applied Many deep learning projects (classification, Regression, clustering, sentiment analysis, time series prediction).
- Finished Amazon website Recommendation system graduation project (collaborative, content-based, hybrid model, sequential recommenders(bert4rec), Image Recommendation, chatbot, natural language processing, sentiment analysis).
- collaborated with a team of 8 developers in the development of an e-commerce project.
- implement recommendation system for website, build backend server side and API using flask `python` and deploy the service on MS Azure.
- using Java script vanilla to build website for making notes (JS, HTML, CSS, BOOTSTRAP)
- build website single-page app using java script only without framework to build CRUD operation



## COURSES

- C for Everyone Programming Fundamentals (Coursera).
- Python programming (Coursera).
- IBM Software web developer verified from IBM SkillsBuild Web Development Fundamentals Certificate Verify: <https://www.credly.com/go/FKoaJMgvNTI> summer training course (Artificial intelligence + communication skills).
- CLS course machine learning.
- Web development Diploma from AMIT company in Nasr city as Full stack PHP developer
- Web development challenger track course from Udacity and ITIDA
- Summer training course with ITIDA and National telecommunication institute in 2021 for 4 weeks (120 hours) in Artificial Intelligence field.
- Passing Microsoft Azure AI Fundamentals AI-900 exam



## SKILLS

- Java Core.
- JDBC
- SPRINGBOOT
- XML
- Data structure
- Design pattern
- React framework.
- XSD
- Web design



## CERTIFICATES

- NTI summer training course (Artificial intelligence + communication skills).
- AMIT Full stack developer certificate
- CLS learning solution (machine learning).
- Microsoft certified (AI-900).



## LANGUAGE

- English (very good)
- Deutsch (fair knowledge)