

KHALID ABD-ELMONIEM MADI

SOFTWARE ENGINEER

CONTACT

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- linkedin.com/in/khalidmadi
- Alexandria, EG (ready to relocate)

EDUCATION

- 2018 – 2022
- COLLEGE OF INFORMATION TECHNOLOGY | MUST UNIVERSITY
- Bachelor of Computer Science,
- GPA: 3.54
 - Graduation Project: Designed a three-tier web app to generate conflict-free student and college schedules, solving an NP-complete problem using hybrid genetic algorithms for near-optimal results.

TECHNICAL SKILLS

- C++, Python, JavaScript, Bash.
- Django, .NET familiarity.
- HTML, CSS, React (Vite), Bootstrap.
- PostgreSQL, Oracle, SQL.
- AWS (AWS practitioner knowledge).
- Data Structures, Algorithms.
- Design Patterns, OOP, SOLID principles.
- Git, Version Control.
- SDLC, Agile Methodology.

LANGUAGES

- Arabic (Native)
- English (Fluent)
- German (Basics)

ACTIVITIES

- Chess player ranked 7th place in college competition.
- Rubik's cube and puzzle solver

CAREER SUMMARY

Recent **Computer Science** graduate with a solid foundation in software engineering principles and practical experience in web application development using **Django**. Proven ability to work in **collaborative environments**, leveraging strong **problem-solving** skills and a commitment to **continuous learning**. Seeking **entry-level** opportunities in software engineering to contribute to impactful projects.

WORK EXPERIENCE

- Egyptian Army (Military Service)** JUL 2023 – SEP 2024
Software Development Engineer
 - Developed and maintained an interactive **CRUD Django-based** web application, enhancing **functionality** while ensuring **scalability**.
 - Served as IT administrator for a network domain, managing infrastructure, user accounts, and technical support.
- Sutherland Egypt** Oct 2022 – May 2023
Tele Sales Agent
- Cedar Point Amusement Park, Ohio, USA** Jun 2018 – Sep 2018
Admission Representative

INTERNSHIPS

- Information Technology Institute** Mar 2025 - Present
Full Stack Development using Python
Specialized intensive training program in full stack development, focusing on:
 - Python frameworks: **Django** (advanced), **Flask** (API development).
 - Frontend development: **React** (with Vite), **Bootstrap**, **REST APIs**.
 - Databases: **Database Design**, **SQL Optimization**, **ORM** best practices.
 - DevOps basics: **Ubuntu Linux** essentials, **Bash** scripting, **Git** workflows.**Notable Projects:**
 - E-Commerce App** (Django & PostgreSQL): Full-featured online store with product listings, user authentication, and order management.
 - Bookstore App** (Full-Stack | Django): Personal libraries for each user with full CRUD operations on books, reviews, and categories.
 - Weather App**: Real-time global weather forecasts using external APIs.
- Vodafone Egypt** Aug 2020 – Sep 2020
Software Development Intern
 - Collaborated with a senior web designer to implement a web service using **C#, JavaScript**, and **MVC architecture**.
 - Gained practical experience in **Agile SDLC** through hands-on participation in **development sprints**.

ADDITIONAL INFORMATION

Military Status: completed.