Youssef Abd El-Mawla

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Professional Summary

Computer Science student specializing in Software Development with strong skills in algorithms, web applications, and systems programming. Experienced in full-stack development, socket programming, and AI through academic and independent projects. Proven leadership as a Technical Manager and Sales Manager, overseeing teams, designing campaigns, maintaining client relationships, and closing deals professionally. Adept at collaborating across technical and business functions to deliver scalable, user-focused solutions. Seeking an internship to apply both technical expertise and business acumen in a dynamic tech environment.

Education

Zewail City of Science and Technology   Sep 2022 – Aug 2026
Bachelor of Computer Science, Major in Software Development   Giza, Egypt

Relevant Coursework:

- Data Structures & Algorithms
- Software Engineering & OOP
- Database Systems & Advanced Databases
- Artificial Intelligence & Machine Learning
- OO Analysis/Design
- Web Development & Embedded Systems
- Computer Architecture & Operating Systems
- Secure Computing & UX/Interaction Design

Technical Experience

Project-Based Software Development Experience   Sep 2022 – Present

- Worked on multiple full-cycle software projects in Python, Java, and C++
- Built web platforms, game engines, and network protocols using OOP and best practices

Web Application Development – Team Projects   Oct 2023 – Dec 2024

- Built full-stack web apps such as Bite Right and Car Rental systems
- Integrated databases, deployed with Docker and Azure, ensuring responsive design and testing

Projects & Achievements

- **SignLanguage Connect – Mobile Application** (Oct 2025 – Jan 2026): Developed an innovative mobile application for deaf and mute individuals featuring an avatar that translates speech to sign language. Integrated sensor connectivity for smart glasses/gloves with location tracking capabilities, enabling users to navigate safely and communicate effectively with non-sign language users.
- **Campus Management System (CMS) – Full-Stack Platform** (Nov 2025 – Jan 2026): Designed and implemented a unified university management platform consolidating attendance tracking, grade reporting, announcements, and facility reservations. Built with role-based access for Students, Faculty, and Admins to eliminate operational silos and data inconsistencies.
- **Parallel Word Count Application – OpenMP** (Oct 2025 – Nov 2025): Implemented a high-performance text analysis tool comparing sequential vs. parallel processing using OpenMP. Features case-insensitive tokenization, frequency counting, and top frequent words extraction from large text files, demonstrating significant performance improvements through parallelization.
- **Bank System – Python** (Aug 2022 – Oct 2022): Banking app with transactions and accounts
- **Super Mario-like Game – C++** (Feb 2023 – May 2023): 2D game with levels and movement
- **SAP 1/2/3 Systems** (Feb 2023 – May 2023): Core architecture principles with processors
- **Easy Bus Company – C++ OOP Project** (Oct 2023 – Jan 2024): Scheduling system simulation
- **Reliable Transport Protocol – Python** (Mar 2024 – May 2024): Socket-based reliable transmission

- **Full Socket Programming Project – Cisco App (Python)** (2024): Client-server networking app
- **FFT vs DFT Image Compression – Python** (May 2025): Image compression with PSNR/SSIM metrics
- **Operating Systems Projects** (Mar–May 2025): Bootloader, memory management, concurrency, and web server
- **Web Development Projects** (2023–2024): Buying & Selling Cars, Medical Website (Docker), Car Rental Website, Bite Right Diet Planner

Technical Skills

Languages:	Python, Java, C++, C#, JavaScript, HTML, CSS, SQL, MongoDB, Assembly
Frameworks:	Flask, Spring Boot, ASP.NET, ADO.NET
Tools:	Git, Docker, Azure, Selenium, Swagger, Arduino
Concepts:	OOP, Networking, System Design, UI/UX, API Development, Cybersecurity, Parallel Computing, Ope

Certifications & Courses

- Siemens Embedded Systems Internship Certificate (Jul 2025 – Sep 2025)
- AI with Python
- Object-Oriented Design & Spring Boot
- Embedded Systems & Arduino
- C++ Algorithms & Data Structures
- Software Engineering & OOP
- CCNA (In Progress)
- Web Development, Python, Technical English

Languages

- Arabic (Native) • English (C2) • German (B1)

Work Experience

Telesales & Customer Service Representative – Centro   Sep 2025 – Nov 2025
- Managed inbound and outbound calls, assisting customers with inquiries and service issues
- Promoted products and services while maintaining high customer satisfaction
- Resolved complaints professionally and ensured smooth communication between clients and management

Telesales Representative – Global Travel Agency   Jan 2025 – Aug 2025
- Conducted outbound calls to prospective clients, promoting travel packages and services
- Built strong customer relationships, achieving repeat bookings and client satisfaction
- Consistently met and exceeded monthly sales targets through persuasive communication
- Handled objections effectively, converting leads into confirmed sales

Sales Manager – Pea Learning Academy   Sep 2024 – Nov 2024
- Implemented targeted sales strategies, overseeing full sales cycle from campaigns to closure
- Increased course enrollments through effective client engagement

Technical Manager – Robosphere   Aug 2025 – Sep 2025
- Managed technical team and delivered programming/technology courses in English
- Oversaw curriculum design, training quality, and project supervision

English Technical Instructor – Robosphere   Jun 2025 – Aug 2025
- Delivered programming and data science content to students in English
- Simplified complex technical concepts for beginners

Embedded Systems Intern – Siemens   Jul 2025 – Sep 2025
- Participated in embedded systems development, OS kernel concepts, and hardware-software integration
- Gained exposure to Siemens engineering standards and industrial workflows