

Omar Abdelrahman Abbas

Software Engineer

📍 Egypt

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🎓 EDUCATION

4th Year: Faculty of Computers & Information Technology

2021 Sep – 2025 Jul

Software Engineering Program - Assuit

Excellent: 3.76 out of 4.00 | Ranked #2

📁 EXPERIENCE

Integration Engineer Internship

2024 Jul – 2024 Aug

Ejada

Worked with REST APIs, JSON, XML, and WSDL using WSO2 Integration Studio. Applied mediators like Log, Call, Filter, and PayloadFactory for API development. Used Oracle SQL for data queries and operations. [[Certificate](#)] 📄

Problem Solving Coach

2022 Jul – Current

Egyptian Olympiad in Informatics (EOI)

Coached 30+ junior students from basics to solving 120+ Codeforces problems, covering Algorithms & Data Structures. All trainees completed training; 6 qualified for EOI finals. [[Playlist](#)] 📄

Problem Solving Mentor

2022 May – Current

ICPC Assiut University Community (ICPC)

Mentored ICPC Assiut students for 4+ seasons, conducting practice sessions onsite and online, recording contest-solving videos. Managed Google Sheets to track trainee progress and training materials. [[Video](#)] 📄

Graphic Design and Multimedia Member

2022 Apr – 2023 May

Google Developer Groups Assuit (GDG)

Contributed to the design of DevFest and WTD events, creating +8 event posts, +40 community IDs, and banners. Additionally, managed and updated the community's Instagram platform. [[Behance Portfolio](#)] 📄

📁 PROJECTS

Listenify - Web Application [[Demo](#)] 📄

2025 Jan – 2025 Feb

• Real-time speech transcription app for English learners. Features AI translation, custom prompts, word lists, and interactive AI chat. Used by 35+ Discord users who reported improved English communication.

• Tools: React, TypeScript, AI Integration, Web APIs, State Management, Git

CryptoX - Mobile Application [[Google Play](#)] 📄

2024 Dec – 2024 Dec

Android app featuring classical cryptography (substitution/transposition ciphers), steganography for hiding data in images, and utility generators. Includes interactive cryptography quizzes and available on Google Play.

• **Tools:** Kotlin, Android SDK, Material Design 3, Steganography, Cryptography Algorithms, Room Database

Cash Guard - Web Application [[GitHub](#)] 📄

2024 Mar – 2024 May

• ASP.NET MVC C# web app for income and expense tracking. Register, manage categories, record transactions, visualize financial data. User-friendly, secure, and time-saving.

• Tools: ASP.NET MVC, C#, SQL, HTML, CSS, JavaScript, Bootstrap, Entity Framework Core, Databases

ShellX - Console Application [[GitHub](#)] 📄

2024 Mar – 2024 May

• Console app simulating Windows CMD for efficient file system management, navigation, directory manipulation, file handling, and debugging tasks.

• Tools: C#, OOP, File Management, DS & Algorithms, Software Testing, CLI, Git, GitHub

COURSES

Full Stack Web Development with React

2024 Jun – 2024 Dec

Digital Egypt Pioneers Initiative (DEPI)

Completed 6-month training in React, Node.js, Express, MongoDB, and core web technologies. Used Git/GitHub and deployed on Vercel. Built a SaaS dashboard and server, earning 180 EGP through paid access.

Introduction To Web Technology

2023 Jul – 2023 Jul

Information Technology Institute (ITI)

Explored the fundamentals of web development, covering HTML, CSS, and JavaScript. and created small websites to apply the concepts learned.

SKILLS

Languages

C/C++, Java, Kotlin, C#, HTML, CSS, JavaScript, TypeScript, AutoHotkey, JSON, Python, Dart, Git & Github, OOP, SQL, MATLAB

Automation and Scripting

Scripted diverse tasks and gaming macros using AHK and JavaScript.

Fluent English

Wrote +10 blogs, +6 documentation, and +400 hours speaking with English speakers.

Problem Solving

Solved +2000 Problems on [Codeforces](#)  and [leetcode](#). 

Typing Speed

Typing speed (150 WPM) — 180+ hours practiced on [MonkeyType](#)  — Gave [video presentations](#)  to 60+ students on touch typing, shortcuts, and Vim.

Teaching and Mentoring

Mentored students online and onsite, recorded videos, and employed visualizations, gamification, storytelling, and effective teaching techniques.

VOLUNTEER EXPERIENCE

Event Coordinator Member

2022 May – 2023 Aug

Google Developer Groups Assiut (GDG)

Participated in coordinating Devest 2022, WTM 2022, and Programming Warfare 2023. Involved in planning, executing, and guiding attendees.

Human Resources (HR)

2023 Jan – 2023 Oct

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Summarized and reported 8+ meetings using Obsidian, Notion, and AI tools. Tracked attendance with Google Meet Attendance. Conducted interviews for 4+ candidates and assisted in training new team members.

ACHIEVEMENTS

Specialist on Codeforces [[Profile](#)]

2022 Feb

Achieved "Specialist" rank on Codeforces, demonstrating advanced competitive programming skills.

Participated in ECPC Qualifications 2022 [[Certificate](#)]

2022 Aug

Our team achieved 10th place on Assuit and secured the 21st position in the overall qualification.

Participated in ECPC Qualifications 2023 [[Certificate](#)]

2023 Aug

Ranked 38th out of 238 teams in the ECPC Qualifications Contest, highlighting effective teamwork and competitive skills.

Programming Blogging [[Blog](#)]

2022 Jun

Wrote 10+ blogs on Codeforces, explaining programming concepts like custom sorting, rotation methods, and a collection of codes for sorting and searching.

Typing Speed [[Video](#)]

2022 Dec

Achieved 150 WPM on [Monkeytype](#) , showcasing exceptional speed and typing efficiency.