Mahmoud Atef

AI & Software Engineer

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SUMMARY

Innovative Software Engineer with a strong foundation in both development and operations.
ECPC & ACPC Finalist with a proven track record of award-winning projects.

EXPERIENCE

AI & Machine Learning Developer   Jan '26 — Present
Digilians   Military Academy – Heliopolis, Cairo, Egypt
Selected as one of 3,500 participants out of 50,000+ applicants for this highly competitive national program.
- Focused on Artificial Intelligence and Machine Learning, gaining hands-on experience in:
  - Machine learning model development and evaluation
  - Data preprocessing, analysis, and feature engineering
  - Building practical, real-world AI solutions
  - Collaborating with national and international technology partners

Azure Cloud Solution Admin & Architect   Oct '24 — May '25
Digital Egypt Pioneer Initiative (DEPI)   Cairo, Egypt
- Active Directory, AZ-900, DP-900, AZ-305, AZ-104, AZ-500, AZ-700

Internship   Sep '23 — Oct '23
QNB AlAhli Bank   Cairo - "Head office – Champollion IT Division "., Egypt
- (Database, AIX, Linux, OS, Infrastructure, System Admin, Development, Network)

EDUCATION

Bachelor in Information Technology, Sinai University - Arish (GPA: 3.1 (Very Good))   Jan '21 — Jan '25
                                                                                              Arish

- Major: Information Technology
- Project: Sakanly (Real Estate Mobile App)
- Project Evaluation: A+
- Supervised By: Dr. Ahmed Sharaf Eldin (Dean of the F-IT & CS at SU Arish branch)

ACHIEVEMENTS

ACPC Finalist   Dec '25
Africa and Arab Collegiate Programming Championship

ECPC Finalist   Aug '25
Egyptian Collegiate Programming Contest

The College Exemplary Student Award   Dec '24
Selected by the Dean and the College Doctors as the College's Exemplary Student.

1st Ranking, SU Best Designer Award   Dec '23
Designed six distinct pages in Adobe Photoshop, drawing inspiration from Alibaba.com, and was honored as the winner of the Sinai University Best Designer Award.

SKILLS

Programming Languages   Python, C, C++, C#, Dart, JavaScript, MATLAB
Web/Mobile   ASP.NET Core MVC, Node.js, Flutter (Cross-platform)
Cloud & Infra   Microsoft Azure, Active Directory (AD DS), Computer Networks
Data & AI   Microsoft SQL Server, NumPy, Pandas, Machine Learning Foundations
Design & Tools   Git/GitHub, Adobe Photoshop, VS Code
Soft Skills   Leadership Skills, Team Working, Problem Solving
Languages   Arabic, English

PROJECTS

Sakanly   2025
- Real Estate Rental app find it, love it, rent it (Graduation Project - A+). A mobile app Built using Flutter and NodeJS used to help people find their best place.

Bookstore Management System using Python   2025
- offline, Arabic-language desktop app for small bookstores and stationery shops to manage products, sales, profits, and reports with ease.

BookTea - Online Bookstore using Microsoft ASP. Net   2024
- A simplified web store using the MVC framework, handling user interactions, server communications, and data storage efficiently.

Python Hangman Game, AITB   2024
- 1st Ranking - AITB final project: Guess letters, reveal words, avoid hangman's completion, win with correct guesses.

Sorting Algorithms Tracer in C, Harvard CS50x   2024
- Harvard CS50x final project: This Project applies the process of many data structures sorting methods, in order to show the time and space complexity of them, and also show how the algorisms are applied.

Paint App with C#   2023
- 1st Ranking: With my Paint app you can draw lines, circles, squares, and many other shapes & tools; so that it helps you show and develop your art skills.

Alibaba Photoshop Design   2023
- 1st Ranking: Designed six different pages using Adobe Photoshop, My Design is Inspired from Alibaba.com, And Got the SU Best Designer Award.

University System Using C++   2022
- 1st Ranking: A University System Using OOP, Files, and Vectors; which helps you manage your Doctors, Demonstrators & Students data.

SU Restaurants Website   2021
- 1st Ranking HTML, CSS: Home, Items, Testimonials, Login & Register Pages; You can start ordering what you want from any restaurant at the university online.

SU Restaurants Desktop App   2021
- 1st Ranking Visual Basic: 7 Restaurants of SU Arish Branch.

CERTIFICATIONS

Mobile Development Using Flutter 1 Month Online 60 Hours, ITI   Dec '22

Azure Fundamentals AZ 900, Microsoft Certified   Jun '25

Harvard's CS50x, Harvard   Apr '24

VOLUNTEERING EXPERIENCE

Organizer - New Students Orientation, SU FIT-A   Sep '24

Problem Solving Community Founder, SU FIT-A   Aug '24

Renovating the squares and streets of Arish city.   Jan '19