Esraa Abdel Mohsin

Software Engineer

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OBJECTIVE

Software Engineer passionate about software development and mobile application development, building smart, user-friendly solutions. Skilled in Python, SQL, and modern data tools with experience in full-stack development, web technologies, and machine learning. Skilled in smart automation to boost efficiency, data transformation to improve quality, and data visualization to communicate insights clearly. I bring creativity, critical thinking, and a drive to learn and grow with every project.

PROFESSIONAL EXPERIENCE

Mobile Application Developer Intern, *Misr Technology Service (MTS)* 🔗   07/2024 – 08/2024
- Designed and implemented a Flutter mobile application for sales representatives with real-time inventory, order, and delivery tracking features.
- Applied clean architecture principles and implemented localization for structured, maintainable, and multi-language-supported codebase.

Business Intelligence Developer Intern, *Misr Technology Service (MTS)*   07/2024 – 08/2024
- Developed Tableau dashboards to visualize KPIs, enabling more informed, data-driven decisions for business stakeholders.
- Cleaned and transformed datasets, working with ETL processes and database design to improve data accessibility and reliability.

Big Data & Data Analytics Intern, *My-Communication &D-Hub* 🔗   07/2023 – 09/2023
- Preprocessed and structured raw datasets for use in analytical models, deepening understanding of big data concepts.
- Built interactive Power BI dashboards that enhanced reporting capabilities and streamlined insights for end users.

EDUCATION

Information Technology Institute(ITI),   07/2025 – Present
.Net Full Stack Development 4-month Intensive Training Program

Faculty of Computing & Data Science, Alexanderia University,   2021 – 2025
BSc in Computing & Data Science
- CGPA: 3.8987 / 4

PROJECTS

Implementation of Digital Medicine in Heart Failure,   09/2024 – 06/2025
Cardio Care: AI-Powered Heart Failure Assistant 🔗
- Developed a mobile application for heart failure patients that delivers real-time, explainable recommendations using large language models (LLMs).
- Replaced traditional rule-based logic with a scalable AI model enabling smarter, patient-specific risk predictions.
- Focused on improving digital healthcare accessibility through intelligent automation and data-driven personalization.

VOLUNTEERING

GDG Damanhur University, *Instructor-Data Science Committee* 🔗   2024 – 2025

FCDS ICPC Community, Alexandria University 🔗   2023 – 2025
- Mentor-Training Committee (2023 – 2024)
- Vice Head – Training Committee (2024 - 2025)

TECHNICAL SKILLS

Programming & Data Tools
Python -R- Java – C++ - Power BI - Tableau -SSIS-SSRS

Web Development
HTML5 – CSS - JS basics - PHP - C# - MySQL -Database

AWARDS

Egyptian Collegiate Programming Contest 🔗
- 2024 – Placed 5th overall, second in Faculty & qualified to ECPC finals.
- 2023 – Secured 25th overall, second in Faculty & qualified to ECPC finals.
- 2022 – Secured 2nd place in Faculty, qualified to ECPC finals