Mohamed Momen Salama

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Education

Alexandria University   Alexandria, Egypt
Computer and systems engineering. CGPA: 3.64   2019 - 2024

Fowa mixed secondary school   Fowa, Kafr elsheikh
Grade: 97.5%   2016 - 2019

Experience

Ejada limited solutions   Alexandria, Egypt
Data Analysis Intern   7/2023 - 9/2023
- Conducted exploratory data analysis on large datasets using Power BI to identify trends and patterns.
- Developed and implemented data cleaning procedures to ensure data accuracy and integrity.
- Created insightful visualizations with Power BI to communicate findings effectively to stakeholders.

Jadara solutions   Alexandria, Egypt
Data Management Intern   7/2023 - 10/2023
- Learned about the data lifecycle and the various roles within data management, including business analysis, data modeling, data engineering, and business intelligence.
- Applied theoretical concepts practically through a project utilizing Microsoft tools such as SQL Server, SSIS (SQL Server Integration Services), and SSMS (SQL Server Management Studio).
- Gained hands-on experience in database administration, data integration, and data warehousing using SQL Server and SSIS.
- Collaborated with team members to design and implement data solutions, gaining insight into real-world data management challenges and solutions.

Projects

Weather stations monitoring
- implementation of the architecture of a weather monitoring system consists of many stations, central station and data storage units.
- the aim of this prpject was to get familiar with data piplines and data systems.
- we used many technologies in it, like docker, k8s, bitcask, kibanna, elastic search, kafka, API and java for coding.

School Management System
- A web-based system designed to manage a school, we have 4 target users with some distinct functions for each user and general functions for all users.
- this project aims to get familiar with the agile method.
- we used SpringBot and AngulatJS in the implementation.

Book Store
- Desktop APP to manage a book store we have 2 users (manager& customer).
- it was developed by JavaFX and java with JDBC.
- the main goal was to gain more experience with databases specially MySQL server.

Leadership & Activities

IEEE-AlexSB   Alexandria, Egypt
Software subteam head   10/2023 - present
Update team   kafr elsheikh, Egypt
Academic committee head   8/2020 - 7/2022

Awards & Certificates

Awards

- **3rd place @ Hacktrick Hackathon**
  Dell Technologies Egypt
  In 2024, our team clinched 3rd place at the Dell Technologies "Hacktrick" Hackathon in Egypt. We tackled diverse challenges spanning problem-solving, machine learning, computer vision, and cybersecurity. Our standout achievement was crafting a machine learning model for voice fingerprint classification, exemplified in our GitHub organization, *PseudocodeOfDuty*. Our *Fox* repository houses solutions to various challenges, complemented by thorough unit tests and API implementations. Additionally, the *Eagle* repository demonstrates our expertise in voice fingerprint analysis through a convolutional neural network (CNN) model.

Certificates

- **IBM, Data Engineering Foundations**
  7 courses specialization that gives you fundamental skills for Data Engineering from concepts to Python and SQL with hands-on projects.

- **SQL intermediate from Hackerrank**
  Test for my SQL skills including intermediate skills like window functions, subqueries, and multiple types of joins.

- **Linux OS Fundamentals and System Administration**
  Certificate covering the fundamentals of Linux commands and system administration.

- **Node.js from Hackerrank**
  Certificate to test my basic Node.js skills.

Skills & Interests

Technical: c/c++, Python, Java/Scala, JavaScript, Bash, SQL, Linux (Ubuntu), MySQL server, mongodb, PostgreSQL, Git/GitHub, MS Office/Libre Office, Jira Atlassian, Postman API, VS Code
Tools and frameworks: Docker, Nodejs, ReactJS, SpringBot, PowerBI
Language: Arabic –> native, English –> intermediate, German –> beginner
Soft skills: Communication, Teamwork, Leadership, training development, flexibility, learning capacity
Interests: Problem solving, Puzzles, CTFs, Football