

Mahmoud Mohamed Refaat

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Military Service : Completed

OBJECTIVE

A motivated individual with in-depth knowledge of languages and development tools, seeking a position in a growth-oriented company where I can use my skills to the advantage of the company while having the scope to develop my skills.

EDUCATION

Bachelor of Science , Benha University , 2020

Major : Mathematics

GPA : 3.03 (B+)

TRAINING & CERTIFICATIONS

A versatile and skilled Data Analyst and Full-Stack Developer with expertise in data processing, web automation, business intelligence, and backend development. Proficient in both Python and .NET, with a strong focus on extracting insights and building scalable solutions.

Key Skills

- **Web Crawling & Automation:** Expert in Python tools like Selenium, Playwright, BeautifulSoup, and Scrapy.
- **Data Analysis:** Experienced in data cleaning and transformation using pandas, JSON, and CSV.
- **API Integration:** Skilled in developing and integrating APIs with dynamic data pipelines.
- **Business Intelligence:** Advanced in Power BI, Power Query (M), DAX, and data modeling.
- **SQL & Databases:** Mastery of SQL, including CTEs, pivoting, and all SQL operation types.
- **.NET Development:** Proficient in ASP.NET Core, Entity Framework, and OOP in C#.
- **Frontend Development:** Competent with HTML, CSS, and Bootstrap for responsive design.

Certifications

- **WMO Certified** in meteorological data systems, analysis, and visualization.

PROFESSIONAL EXPERIENCE

Web Crawling:

Scrap any website by two methods (Java & Python) and insert the data in Excel sheet or csv or any form

APIs User :

- Find Apl and using many APIs in one code and get all data and insert them in Excel sheet or csv
- **Big data** : SQL big data (CTE, pivot & unpivot, stored procedures function ,sub-query DDL,DML,DQL,DCL,TCL)

Advanced Power Query :

Pre-Processing Big data in Power Query , Business intelligence and create function in power query

Data Engineering.(1year experience)

PROJECTS

First Project : Scraping tags from different websites by two method

- There are two types of websites some of them need to be scraped by java because they built it with a back-end and others built by front-end, Therefore you need some kind of code that can help you to do scrapping easy as my code , when the code collect all tags it will enroll them automatically in a sheet excel .
- First method Scrapping by Python: Some sites aren't complicated which are basically designed, hence the code uses python for scrapping directly because python treats with front-end .
- the other kind of sites are complicated, as They are built by a back-end so you need an other language which can treat with back-end , for that I used java
- Second method Scrapping by Java: the feature of this method that it can treat with back-end to get the data easily

Second Project : Differentiate between out of stock data and in stock one with SQL when you adding a part-ID

- When you need to know if the product is out of stock or not , by using by code you can you it because I designed it to be connected with stored data , so just when you give it the part-ID it will tell you the result

Third Project : Crawling tool

- It is a tool that can be used to get data from different websites
- When it gained all data it use them to make mapping on the shape that I want , then inserting them in SQL sheet .

SOFT SKILLS

- Attention to the details of the work to reach the best results
- Excellent in Microsoft Office
- Excellent Communication and leadership skills
- Problem Solving ability
- Ability to work under pressure
- Accuracy , responsibility and decision - making
- Time management and organization
- Multi-tasking

LANGUAGES

- **Arabic** : Native
- **English** : Intermediate

ADDITIONAL INFORMATION

Date of Birth : 07 / 02 / 1998

Gender : Male

Military Service : Completed (3 years)