Parviz Tajdari

#18, 1st Floor, 3rd Unit, Kosari Alley, Kord St., Resalat Highway, Tehran National Code No. 2297978634 - Father's Name: Mohammad Ali Date of Birth: June 18, 1978 Email: ParvizTajdari@gmail.com | Mobile: +98(21)22334031- (+98)9120226966

LinkedIn: https://www.linkedin.com/in/parviz-tajdari-69364925a/

GitHub: https://github.com/parvizt

Kattis Profile: (Python Problems) https://open.kattis.com/users/parviz-tajdari

Hacker Rank Profile: (SQL problems): https://www.hackerrank.com/profile/parvizt

Objective: A highly skilled and motivated Data Analyst with a strong background in geology and extensive experience in data analysis and business intelligence. Seeking to leverage my analytical skills, proficiency in tools such as Python, SQL Server, and PowerBI, and passion for technology, especially Artificial Intelligence, in the role of Data Analyst and Data Scientist.

Education:

- **Master of Business Administration (MBA) in Marketing** Payam Noor University of Karaj, Alborz, Iran
  Graduated: July 2023
  (Best Researcher of the Year 2023 at Payam Noor University, Karaj)
- **Master of Geology (Applied Geology)** University of Mysore, Karnataka, India
  Graduated: July 2010
  (Best Thesis in Sciences in India)
- **Bachelor of Geology** Shiraz Azad University, Shiraz, Fars, Iran
  Graduated: June 2002

Skills:

- **Data Analysis:** Proficient in Python (Pandas, Pyodbc, Tkinter, Ttk, Beautifulsoup, Sqlalchemy, Pyodbc, Knn, Nb, Neural networks, Random Forest Regressor, Linear Regression, etc.), SQL Server, and PowerBi for extracting, processing, and visualizing data to support decision-making.
- **Data Science & BI - ETL and Data Warehousing:** Experienced in designing and implementing ETL processes for efficient data storage and retrieval.
- **Python Programming:** Proficient in Python, including various libraries and frameworks.
- **AI Technology:** Skilled in utilizing ChatGPT and other AI technologies to create and collect data for data analysis and data science applications.

Languages:

- Fluent in English and Persian.

Interests:

- Swimming
- Chess
- ChatGPT & AI technologies
- Python algorithms in AI
- SQL development
- PowerBi Reports

Benefits:

- Energetic
- Cheerful
- Diligent and confident
- Team player
- Eager learner
- Passion for technology, especially Artificial Intelligence

Courses:

1. Comprehensive Data Science Course at Sematec Institute (SQL Server, Power BI, Python) (11 months - 140 hours) - 2023
2. BI Datawarehouse & ETL, OLAP & BI Modeling at Sematec Institute (5 months - 72 hours) - 2023
3. Python Programming at Sematec Institute (2.5 months - 40 hours) - 2023
4. Advanced Excel for Engineers (2008) at Southern Region Industrial Management Institute.
5. Comprehensive Business and International Trade Skills Course, Tehran Business Training Center, 82 hours.
6. International Business Communication Course, Tehran Business Training Center, 30 hours.

Job Experiences:

1. **Data Analyst and Data Scientist** KPE Co. - Dec 22, 2021 / Present
    - Extracting data from websites using Python and Beautiful Soup, transferring it to SQL, cleaning, organizing, and then building operational databases and data warehouses. Utilizing the data for creating management dashboards such as PowerBI.
    - Constructing a management dashboard with PowerBI using information and data provided by the management.
    - Software used: SSIS, SSMS, Python, PowerBI
    - Supervisor: Engineer Vahid Ghorbani

- (Nominated for the Best Employee in the field of innovations and business growth)
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2. **SQL Developer and PowerBi Designer:** Jan 2023/ Nov 2023
   - Designing operational databases for private companies on a case-by-case basis, as well as designing and providing SQL training to shop owners who have databases on SQL software.

3. **Consultant Geologist:** Tadbir Drilling - May 16, 2021 / Dec 21, 2021
   - Consultation on geological data for oil and gas wells.
   - Data cleaning and addition from various sources for better drilling with practical use of visualizations.
4. **Consultant Geologist:** Persia Oil & Gas Company - Jan 2018 / Mar 19, 2020
   - Consultation on geological data for oil and gas wells.
   - Data cleaning and addition from various sources for better drilling with practical use of visualizations.
5. **Consultant Geologist:** Tadbir Drilling - Jul 2016 / Dec 2017
   - Consultation on geological data for oil and gas wells.
   - Data analysis using Excel and creating databases for information.
6. **Consultant Geologist:** Energy Tehran Consultant - Feb 2014 / Aug 2016
   - Consultation on geological data for oil and gas wells.
   - Data analysis using Excel and creating databases for information.
7. **Consultant Geologist:** Iran Razi - Jan 2012 / Apr 2015
   - Geological consultant for oil and gas wells.
   - Data collection and use in Excel for better analysis and drilling calculations.

SQL & Python(UI) Projects:

1- **Predicting House Prices: Modeling using linear regression, k-nearest neighbors, random forest regressor, decision tree regressor, and neural networks.**

https://github.com/parvizt/Predicting-House-Prices

Describe Project:

Implemented a Python-based housing price prediction system using linear regression, k-nearest neighbors, random forest regressor, decision tree regressor, and neural networks. Users input property details such as elevator presence, floor level, area size, parking availability, room count, warehouse inclusion, construction year, and actual price through a Python UI. The system then calculates the estimated house price based on the selected options, ensuring robust predictions through diverse algorithms. This approach aims to provide an adaptable and accurate tool for predicting housing prices, catering to various real estate scenarios.

2- **Online Shop Database: Setting up a database(ETL) for an online store's SQL databases with a simple python user interface.**

https://github.com/parvizt/Online-Shop

Describe Project:

Developed a SQL-based database and implemented ETL processes for an online shopping project. Utilized Python to create an operational database, automating the entire database creation process across multiple servers. The Python interface was handed over to the company for execution on each server, generating operational databases seamlessly. The Python interface not only created the database but also executed SQL commands, eliminating the need to manually open and design the database in SQL. In summary, the end-to-end process, from database creation to execution of SQL commands, was handled efficiently by Python. The final step involved entering data into SQL, including sales, inventory levels, remaining stock, purchases, product types, profit margins, and other relevant parameters, streamlining the entire process for user convenience.

3- **Real Price of Iranian Rial Against US Dollar: Determining the actual exchange rate using Python.**

https://github.com/parvizt/Real-price-of-Iranian-Rial-US-Dolaar

Describe Project:

A Python user interface, developed using the Tkinter library, calculates the real-time exchange rate of the US Dollar to Iranian Rial by computing the difference between the inflation rates of the United States and Iran.

The interface consists of three text-box sections. In the first section, the user inputs the inflation rate of the United States, and in the second section, the inflation rate of Iran is entered. The third section displays the current exchange rate of the Dollar to Rial in Iran. After pressing the "Calculate" button, the interface employs the provided code to calculate and present the real-time exchange rate based on the entered inflation rates.

4- **Calculate Lightning Distance: Project for calculating the distance between thunder and lightning for an observer using Python.**

https://github.com/parvizt/calculate-the-lightning-distance-to-us

Describe Project:

Calculating the distance from thunder and lightning, this functionality is implemented in a Python user interface tailored for mountaineers, fishermen, and individuals requiring distance estimation from lightning during outdoor activities.

The interface features a timer visible upon opening, and upon pressing the start button, the timer initiates. To measure the distance, users press the radio start key upon seeing a lightning flash and then press the radio stop key upon hearing the corresponding thunder. The difference in the time between seeing the flash and hearing the thunder is then converted into the distance from thunder and lightning in kilometers, displaying the result on the user interface.

5- **SQL Checker by Python: Examining existing SQL databases using Python for remotely managing laptops and computer systems.**

https://github.com/parvizt/SQL-Checker-by-Python

Describe Project:

A Python-based project was developed to check and explore directories within an SQL Server without directly opening it, utilizing the PyODBC and Pandas libraries. The implementation allows users to view the contents of directories in SQL Server and enables seamless integration of the obtained data into Python projects without accessing SQL directly.

To utilize the project, users simply input the server address and password using the Pyodbc library in the code. After execution, the program displays the directory contents. Additionally, users can navigate through directories and subdirectories, ensuring efficient and updated data exploration.

This project has been delivered to a client as a personalized solution.

6- **Decimal to Binary Converter in Python: Project for instantly converting Python files to Windows executables.**

https://github.com/parvizt/Decimal-to-Binary-or-opposite-in-python

Describe Project:

A simple decimal to binary and vice versa conversion project has been created using the PyQT library in Python. This project is straightforward and lightweight.

PowerBI & SQL projects:

1- **Investigation of salary slips over a three-year period at Kish Oil Company:**

Describe project:

The Kish Oil Company is a trading and service-oriented company in the oil sector. In this project, based on three consecutive years of salary slips, a management dashboard has been developed using Power BI. The data is first stored in a database through SQL, and then directed by Power BI for design and analytical processing. The data is organized into multiple separate sheets, allowing the respective manager to easily review their salary slips by monthly data editing in SQL and subsequently observing the results in Power BI.

https://github.com/parvizt/PowerBI-Projects/tree/main/K_P_E_salary_slips_sql_powerbi_project

2- **Information on the operations of drilling rigs in the oil and gas industry in southwest Iran.:**

Describe project:

When drilling is conducted by oil rigs, obtaining information about subsequent stages and discovering oil reservoirs in the Earth's layers is crucial. It requires an informational dashboard that continuously updates to visualize and update the subsequent stages or data, enabling the monitoring of processes to prevent both human and equipment errors. Therefore, data is entered through SQL Server, and a database is created. The data is then transferred to a Power BI management dashboard, utilized in the geological department of an oil company for exploration purposes.

https://github.com/parvizt/PowerBI-Projects/tree/main/Geology_K_P_E

3- Evaluation and analysis of Human Resources department and employee information:

Describe project:

A friend from the Human Resources department, with the data available from their HR resources and personnel, requested me to implement their data onto a Power BI management dashboard. Utilizing the data they provided, I successfully executed this task for them on an Excel file.

https://github.com/parvizt/PowerBI-Projects/tree/main/HR_Analytics%20Dashboard_K_P_E

4- Creating a Power BI management dashboard for one of the executives of an Iranian exchange bureau to visualize the purchased cryptocurrencies:

Describe project:

One of the executives from an Iranian exchange bureau requested a pre-designed solution along with an analytical Power BI management dashboard. The data included cryptocurrencies such as Ripple, Ada, Ethereum, Salana, etc., with details like purchase dates, average prices, and profits/losses. Accordingly, the necessary data was entered into SQL, transferred to the Power BI environment, and a visually appealing analytical management dashboard was created seamlessly without any issues.

https://github.com/parvizt/PowerBI-Projects/tree/main/crypto_rocket_erythron_powerbi_project

5- Creating a database and a Power BI dashboard for small online stores:

Describe project:

The data for an online store, provided in an Excel format by a client, was used to create a Power BI dashboard. The client specifically requested a Power BI sheet to visualize the data on a managerial dashboard. It is important to note that their objective was to adapt the dashboard for future data changes, and the current data was not real but served the purpose of creating the Power BI template.

https://github.com/parvizt/PowerBI-Projects/tree/main/online_store_mr.roohzad_powerbi_sql_project

Refers:

Eng. Vahid Ghorbani
Data Science Professor at Sematec Institution
Mobile: 09122545451
Email: VahidGhorbani@hotmail.com