

# Maryam Abazari

[Abazarii](#) | [maryam-abazari-645406226](#) | [MY PF](#)

## Summary

Detail-oriented Data Analyst with experience in interpreting and analyzing data to drive successful business solutions. Proficient in data visualization, statistical analysis, and data manipulation with a strong background in SQL, Python, R, and BI tools. Adept at transforming data into actionable insights to support decision-making processes.

## Skills

- **Data Analysis Tools:** SQL, Python, R
- **BI Tools:** Power BI, Tableau, Excel
- **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn, Plotly, Dash
- **Statistical Analysis:** Regression, Hypothesis Testing, A/B Testing
- **Soft Skills:** Organized, Teamwork, Communication, Problem-Solving, Time Management

## Work Experience

### Data Analyst Intern

Tehran, Iran

MANAGEMENT COMMERCE DIVISION OF REFAH SUPERMARKET CHAIN CO

May 2015 – Sep 2015

- Analyzed collected data using Tableau software to identify trends and actionable insights, focusing on supplier performance, sales categories, inventory levels, and the impact of discounts.
- Implemented strategies to improve sales conditions based on data-driven insights, including identifying which suppliers provided the best value and performance.
- Conducted customer relationship management (CRM) initiatives to enhance customer satisfaction through targeted improvements and strategies.
- Reviewed the impact of discounts on the sales of various goods, optimizing promotional strategies to maximize sales and profitability.
- Identified sales trends by category to determine which categories had the most and least sales, allowing for better inventory and marketing decisions.
- Developed insights into inventory management, identifying categories with low inventory to ensure adequate stock levels and reduce out-of-stock situations.
- Created an appropriate store layout to improve the shopping experience, increase customer satisfaction, and enhance overall store performance.

### Teaching Assistant

Tehran, Iran

SHARIF UNIVERSITY OF TECHNOLOGY

Jan 2015 – June 2017

- **Quality Control Course** (Instructor: [Professor Majid Rafiee](#))
- **Plant layout Course** (Instructor: [Professor Mohammad Reza Akbari](#))
- **Management Information Systems Course** (Instructor: [Dr. Samira Sadeghi](#))

## Volunteer Experience

### Graphic Designer (Volunteer)

Montreal, Canada

CASPIAN-IRANIAN STUDENTS ASSOCIATION OF THE UNIVERSITY OF MONTREAL, HEC, AND POLYTECHNIQUE MONTRÉAL

May 2024 – Present

- **Organization:** Caspian is the Iranian Students Association of the University of Montréal, HEC, and Polytechnique Montréal, established to support Iranian students through educational, professional, cultural, and artistic programs, fostering community connections and promoting Iranian culture.
  - Designed brochures and banners for a gathering and book fair.
  - Collaborated with team members to ensure cohesive and visually appealing promotional materials.
  - Contributed to the successful organization and promotion of cultural and educational events.

### Social Volunteer

Tehran, Iran

FARDAYE SABZ CHARITY OF SHARIF UNIVERSITY OF TECHNOLOGY

Apr 2020 - Nov 2021

- **Organization:** This charity, established by students of Sharif University of Technology, aims to connect students with underserved communities and regions, striving to meet their essential needs.
  - Visited underprivileged communities to understand and document their needs and challenges.
  - Compiled detailed reports on the issues faced by these communities and submitted them to the organization.
  - Facilitated the allocation of funding and resources based on the documented needs to support and improve living conditions.

# Education

## Department of Computer Engineering, Polytechnique Montréal

DEGREE OF MASTER OF SCIENCE (GPA: 4.0).

- Major: Artificial Intelligence

Montréal, Canada

Jan 2022- Jun 2024

## Department of Industrial Engineering, Sharif University of Technology

DEGREE OF MASTER OF SCIENCE (GPA: 17.87 OUT OF 20).

- Major: Optimization

Tehran, Iran

Sep 2018- Dec 2020

## Department of Industrial Engineering, Sharif University of Technology

DEGREE OF BACHELOR OF SCIENCE (GPA: 16.70 OUT OF 20).

Tehran, Iran

Sep 2013-Dec 2017

# Certificates

- |      |   |                        |
|------|---|------------------------|
| 2024 | <b>Databases and SQL for Data Science</b> , a comprehensive introduction to using databases and SQL for data science applications, leveraging Python for data manipulation and analysis.                              | Coursera               |
| 2022 | <b>Pattern Discovery in Data Mining</b> , exploring advanced techniques and algorithms for identifying patterns and insights in large datasets through data mining methodologies.                                     | University of Illinois |
| 2021 | <b>Machine Learning and Data Science A-Z: Hands-on Python 2021</b> , a comprehensive, hands-on introduction to machine learning and data science, utilizing Python to build practical skills and real-world projects. | Udemy                  |

# Projects

## Data Analysis and Visualization for ABB company

Montreal, Canada

DATA VISUALIZATION COURSE

Summer 2022

- Collaborated on a group project to develop an interactive data visualization tool using Dash and Plotly in Python. The project aimed to provide an understandable view of commutation time and the extra power loss associated with commutation using data from ABB company.
- Created visually appealing and efficient data visualizations to help users understand the performance of the tap changer and make quick decisions. Utilized the most data and variables available to present a comprehensive view of the situation.
- Produced a YouTube video demonstrating the live website and explaining the different parts of the project.
- GitHub Repository: [Project Link](#)
- MY YouTube Channel: [Project Demonstration](#)

## Data Visualization with Plotly and Dash in Python

Montreal, Canada

DATA VISUALIZATION COURSE

Summer 2022

- Developed interactive and visually appealing data visualizations, including line plots, scatter plots, bar charts, and heatmaps, using Plotly in Python. Utilized hover text and formatting, theming, and templates to enhance the user experience.
- Built and deployed a web application using Dash, implementing callbacks to allow users to dynamically explore and interact with the data visualizations, enhancing data comprehension and insights.
- GitHub Repository: [Project Link](#)

## Comprehensive Analysis of Milad Hospital Dataset

Tehran, Iran

HEALTHCARE INFORMATION SYSTEM COURSE

Spring 2019

- Utilized Tableau to analyze surgical data and identify correlations between surgical procedures and post-operative symptoms, facilitating targeted treatment strategies.
- Employed Tableau to assess surgical outcomes by doctor, identifying trends in post-surgery complications to recognize top-performing doctors and areas for improvement.
- Developed interactive Tableau dashboards to visualize and compare the frequency of post-surgery complications among different surgical types and medical practitioners, aiding in informed decision-making and healthcare planning.

## Integrated Information System Design and Analysis

Tehran, Iran

COMPUTER INFORMATION SYSTEM COURSE

Spring 2016

- Designed and developed an integrated information system using Visual Paradigm, ensuring seamless system architecture and functionality alignment.
- Implemented a robust database structure in Microsoft Access, optimizing data storage and retrieval processes for efficient system operation.
- Utilized OLAP Cube software to perform multidimensional data analysis, enabling insightful exploration of system data and facilitating strategic decision-making.