

Mona Arami

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Residency status: US Citizen

EXECUTIVE SUMMARY

- Experience with data science projects using real data sets in various industries such as finance, healthcare, government sectors.
- Strong communication skills and enjoy acquiring and using new skills to find solutions for problems.
- I enjoy learning new tools and using my statistics, probability, optimization and computer engineering background to tackle real world problems.
- Multidisciplinary, driven Data Analyst with a passion for condensing large data into a simple to understand story. Adept at working independently and collaborating with teams across multiple functions to take information from a wide variety of sources and effectively break down concepts in layman terms to diverse audiences. Excels at solving complex problems.
- Strong statistical analytical, and problem-solving skills.

TECHNICAL SKILLS

Programming: Python, R

Libraries: Pandas, NumPy, SciPy, PyMongo and Flask

Web: HTML/CSS, Bootstrap, JavaScript

Visualization: D3.js, Plotly.js, viz.js, Matplotlib, Leaflet.js, Tableau, Gmaps

Databases: SQL, MySQL, MongoDB

Interfaces: APIs, JSON, Beautiful Soup

Spreadsheets: Advanced Excel, VBA

Others: GitHub, Heroku, Statistics, Machine Learning Algorithms, Mathematics

PROJECTS

Mission to Mars:

- A web page to display mars information scraped from various sources, using Splinter, BeautifulSoup and MongoDB database. Skills: Python, Flask, Jupyter Notebook, MongoDB, PyMongo, Pandas, Splinter, BeautifulSoup, HTML, CSS, Bootstrap, Heroku

Weather Analysis:

- A web page display analysis of the weather across the world based on proximity to the equator using Matplotlib to create visualization. Skills: Python, Pandas, NumPy, OpenWeather API, Matplotlib, HTML, CSS, Bootstrap

Analyzing App Ratings in the Google Play Store:

- Extracted over 10000 distinct instances with 13 features including app category, rating, size and more, scraped from the Google Play Store.
- Predicted ratings of various app categories, such as Family, Games, Business, in the Google Play Store of apps using RandomForest model.

UFO-Sighting:

- An interactive webpage to display a table of UFO sightings filtering data through an HTML form using JavaScript and D3.js

EDUCATION

University of Denver - Daniels College of Business

Feb – Aug 2019

Data Analytic Boot Camp Certificate

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Azad University, Tehran

1998 – 2003

Bachelor of Engineering (B.Eng.) Computer software Engineering

RELEVANT EXPERIENCE

Data Analyst

2007 - 2010

Partsazan Investment Group (PSIG), Tehran, Iran

- Collected, stored, queried, validated and analyzed the data.
- Created visualization and presented finding to the team.
- Identified patterns and trends in data sets.
- Defined new data collection and analysis processes.

ADDITIONAL EXPERIENCE

Solaris System Administrator

2004 - 2007

Fakour Telecommunications, Tehran, Iran

- Sun Solaris System Administrator, responsible for installation, configuration and troubleshooting of Mid-Range and High-End servers and storages as well as the Operating Systems and Software Application.
- Working with Technical Projects and Technical Support team.