



Amir Zarabadi

Data Analyst | Machine Learning enthusiast

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Skills

• Programming

	Python	● ● ● ●
	C++	● ● ● ●
	Java	● ● ● ●
	MATLAB	● ● ● ●

• Programable devices

	Arduino	● ● ● ●
	ARM	● ● ● ●

• Machine Learning

	scikit-learn	● ● ● ●
	TensorFlow	● ● ● ●
	Pandas	● ● ● ●
	NumPy	● ● ● ●
	Matplotlib	● ● ● ●

• Data tools

	Excel	● ● ● ●
	Tableau	● ● ● ●
	Power BI	● ● ● ●
	MySQL	● ● ● ●
	PostgreSQL	● ● ● ●

• Aws

	Amazon Redshift
	Amazon SageMaker
	Amazon S3

• Virtualization

	Docker	● ● ● ●
	Packet Tracer	● ● ● ●
	VMware	● ● ● ●

• Web

	HTML/CSS	● ● ● ●
	Bootstrap	● ● ● ●

Summary

I am an experienced Data Analyst and Machine Learning professional with solid programming skills in Python. I have a proven track record of utilizing data analysis and modeling techniques to drive data-informed decision-making. In addition to my technical abilities, I possess soft skills, including collaborating with cross-functional teams from diverse fields, working under pressure and tight deadlines, and effectively communicating complex technical concepts to non-technical stakeholders. I am firmly committed to teamwork and am confident to collaborate effectively in any cross-functional group.

Education



Associate of Science, Data Analysis

2022-Current

Hyperisland | Stockholm, Sweden.

The Hyper Island data analysis program provided me with valuable experiences:

- Working collaboratively in teams on various projects helped me develop strong teamwork and collaboration skills.
- The program helped me develop my programming skills, particularly in Python and SQL, and data analysis tools like Power BI and Tableau.
- My analytical skills have improved, particularly in the areas of data cleaning, data visualization, and statistical analysis.
- Through the program, I gained experience working with cloud computing in AWS and machine learning techniques, including regression, classification, and clustering.



Bachelor of Science, Electrical Engineering

Sep 2015 – Feb 2020

Imam Khomeini International University, Qazvin , Iran.

Experience

Laboratory Assistant

Oct 2017 – Dec 2019

IKU Digital System Laboratory, Qazvin, Iran.

- Developed proficiency in MATLAB for signal processing and computer vision projects, including noise reduction, filtering, and image segmentation.
- Utilized Python programming and machine learning techniques for analyzing data and generating insights, including statistical analysis, data visualization, and predictive modeling.
- Designed electrical boards using Altium and Proteus software, including schematic capture, PCB layout, and component selection.
- Programming microprocessors, such as Arduino, to control and monitor electronic devices and sensors, using C/C++ programming languages.

• Communication Tools

 GitHub 

 Jira 

• Math skills

 Linear Algebra

 Probability

 Statistics

professional Ability—

Problem-Solving

Teamwork

Analytical thinking

Detail-Oriented

Language

Persian 

English 

Swedish 

Courses

 [DeepLearning.AI](#)
[TensorFlow](#)
[Developer Professional](#)

 [Data science specialist](#)
[7Learn](#)

 [TABLEAU FOR DATA SCIENTIST](#)

 [COMPLETE SQL MASTERY](#)
[code with mosh](#)

 [Data Scientist with](#)
[Python | Datacamp](#)

 [Stanford University](#)
[Machine Learning](#)
[Specialization](#)

Data Analyst

June 2020 — June 2022

Qazvin Municipality, Qazvin, Iran.

- Analyzing Coronavirus dissemination data to determine compliance with health protocols and preparing summary dashboards to guide future actions using Excel
- Creating professional and engaging presentations to communicate insights and recommendations to stakeholders using PowerPoint.
- Utilized statistical methods to identify patterns and trends in the data.
- Collaborated with cross-functional teams to ensure alignment on objectives and actions.

Projects

Twitter NLP Analysis project

Dec 2022 -

The aim of this project is to develop various NLP models, including sentiment analysis, topic modeling, and text classification, using Twitter data. Through this project, I acquired valuable experience working with Tweepy and SNScrape for data collection, using the NLTK library for text preprocessing, and creating a graphical user interface. [[GitHub link](#)]

Implementing a new approach in irrigation systems

Dec 2019 — Feb 2020

By combining two different sensors, the project aimed to create an enhanced sensor. A new sensor was designed for improved performance and to facilitate irrigation automation. The project provided me with valuable experience in collaborating with cross-functional teams, utilizing data analysis techniques to optimize sensor performance, and developing a server and application for data utilization. [[More info](#)]

Developing a Web server for the 34th Annual Physics conference

Aug 2018

We initiated this project to improve the experience of conference attendees. To accomplish this goal, we created a web page that was user-friendly, accessible, and easy to navigate. As a result of this project, attendees were able to access all relevant information about the conference in one place. This made it easier for them to plan their schedule, find the location of the sessions, and network with other attendees. [[More info](#)]

References

Mr. Siddharth Jain

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Prof. Neda Faraji

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