








# Amir Zarabadi

Data Analyst | Machine Learning enthusiast




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## skills





### • Programming

	Python	●●●●
	Pyspark	●●●●
	Scala	●●●●
	Java	●●●●
	Matlab	●●●●




### • ML library and Framework

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



### • Data tools

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

### • Aws Services

	Amazon Redshift	
	Amazon SageMaker	
	Amazon S3	

### • Programable devices

	Arduino	●●●●
	ARM	●●●●

### • Virtualization and Network

	CCNA	●●●●
	Docker	●●●●
	VMware	●●●●

## summary

I am a data analyst and machine learning enthusiast with expertise in Python programming. My focus is on Applying data analysis and modeling techniques to facilitate data-informed decision-making. I have experience using data analysis tools such as Power BI and Tableau to create meaningful data visualizations that communicate insights to stakeholders. My experience indicates successful collaboration with diverse teams to deliver results within tight deadlines.

## Education



### Associate of Science, Data Analysis

(Aug 2022-Current)

[Hyperisland](#) | Stockholm, Sweden.

- Acquired strong teamwork and collaboration skills through team projects
- Learned Python and SQL programming languages, and data analysis tools like Power BI and Tableau
- Improved data analysis skills, including data cleaning, data visualization, and statistical analysis
- Developed machine learning techniques such as regression, classification, clustering, dimensionality reduction, and neural networks
- Experience in AWS, including managing applications, databases, security, and Deploying AWS services like EC2 ,S3 and Redshift



### Bachelor of Science, Electrical Engineering

(Sep 2015 — Feb 2020)

Imam Khomeini International University, Qazvin , Iran.

## Experience

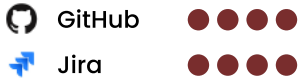
### Laboratory Assistant

(Oct 2017 — Dec 2019)

*IKU Digital System Laboratory, Qazvin, Iran.*

- Proficient in MATLAB for signal processing projects, including signal analysis, filtering, and transformation for information extraction
- Gained experience in programming microcontrollers and interfacing with other electronic devices

## • Communication Tools



## Language



## Certifications



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



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



[TABLEAU FOR DATA](#)  
[SCIENTIST](#)



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



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

## Data Analyst

*Qazvin Municipality, Qazvin, Iran.*

(Jul 2020 — Jun 2022)

- Analyzed Coronavirus dissemination data to determine compliance with health protocols and preparing summary dashboards
- Created professional and engaging presentations to communicate insights and recommendations to managers
- A 10% reduction in infected individuals was observed in Qazvin town within a single quarter through statistical analysis of data.
- Collaborated with cross-functional teams to ensure alignment on objectives and actions

## Projects

### Twitter Data Analysis for NLP Applications

(Dec 2022 - Current)

- Deployed Tweepy and SNScrape libraries to collect comprehensive and accurate data from Twitter
- Conducted text pre-processing using the NLTK library to clean, tokenize, and normalize data for effective natural language processing
- Constructed a customized graphical user interface for the NLP models using the Streamlit library [[GitHub link](#)]

### Implemented a new approach in irrigation systems

(Dec 2019 — Feb 2020)

- Devised a new sensor by merging two sensors for an automated irrigation system resulting in improved performance by 20%
- Collaborated closely with cross-functional teams, including experts in electrical engineering and water faculty [[More info](#)]

### Developed a Web page for the 34th Annual Physics conference

(Aug 2018)

- Implemented a user-friendly and easily navigable web page for a conference
- Facilitated scheduling of events, locating session venues, and networking with other attendees
- Tested and refined the web page to ensure meeting the needs of attendees and optimal functionality on all device [[More info](#)]