


# SINA TAVAKOLI

Developer ~ Engineer ~ Data Scientist

 LinkedIn

 github

 Kaggle

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 Padova, Italy

## SUMMARY

As a highly motivated Python developer with a Bachelor's degree in Electrical Engineering, over four years of Python programming experience, and ongoing pursuit of a Master's in ICT, I bring a solid foundation, relevant certifications, and a passion for programming. I am a fast learner and hard worker, confident that my skills make me an asset to any team, and I look forward to contributing to your organization's success

## SKILLS

**Languages:** Python, pandas, numpy, scikit-learn, matplotlib, TensorFlow, scipy, seaborn, C++, Git, SQL, OpenCV.

## PROJECTS

Data Analytics	<b>Olympics game network</b> The project explores the impact of Twitter on the Olympics, specifically in gymnastics and swimming, with key objectives including data collection, authentication, query definition, data preprocessing, graph construction, and analysis and visualization.	<a href="#">Link</a>
Data Analytics	<b>analyzing Ukraine war</b> The project analyzes Ukraine war discussions on Reddit, utilizing Python and the Reddit API for data extraction, hashtag/keyword analysis, and network graph visualization. It includes a GitHub repository with documentation, offering insights into the Reddit community's engagement with the topic.	<a href="#">Link</a>
Data Analytics	<b>Market analyze</b> The project analyzes financial market data, specifically the "NYA" index, focusing on Open, Close, High, and Low prices. Objectives include extracting the "NYA" index, creating a time-price chart, handling noise/outliers, and addressing missing values.	<a href="#">Link</a>
Computer vision	<b>corrupted image and patches</b> The project's main goal is to employ OpenCV for detecting street lanes in an input image, crucial for applications like autonomous vehicles and driver assistance systems. The implementation involves using OpenCV to create a lane detection pipeline.	<a href="#">Link</a>
Computer vision	<b>line detection</b> The project aims to use OpenCV for detecting street lanes in images, a critical process for computer vision applications such as autonomous vehicles. OpenCV, a powerful computer vision library, is employed to implement a lane detection pipeline in this project.	<a href="#">Link</a>
Computer vision	<b>roads sign detection</b> The primary objective of this project is to develop an algorithm capable of accurately detecting road signs within images. Accurate road sign detection is crucial in various applications, including autonomous driving, as it ensures the safety and functionality of the system.	<a href="#">Link</a>

## EDUCATION

2022 - Current	<b>MASTER OF ICT(INFORMATION AND COMMUNICATION TECHNOLOGY)</b>	Padova University
2014 - 2019	<b>BACHELOR OF ELECTRICAL ENGINEERING</b>	Razi university
57 hours	<b>Advanced Python Programming Certificate</b>	maktabkhooneh
60 hours	<b>Data Science Certificate</b>	maktabkhooneh

## EXPERIENCE

03/2021–07/2022	<b>PYTHON DEVELOPER</b>	<b>PROGRAM AND BUDGET ORGANIZATION</b>
	<ul style="list-style-type: none"> <li>• Leveraging NumPy and Pandas, I handle extensive datasets, performing tasks like cleaning, preprocessing, and advanced manipulations such as filtering and aggregations.</li> <li>• Executing statistical analysis and modeling in Python involves performing statistical tests, hypothesis testing, and regression analysis using relevant libraries.</li> <li>• Collaborating on data-driven solutions involves developing applications and integrating NumPy and Pandas workflows into larger projects, like building recommendation systems or predictive models.</li> </ul>	
09/2019–03/2021	<b>PYTHON DEVELOPER</b>	<b>FARA SANAT</b>
	<ul style="list-style-type: none"> <li>• Developing scalable and efficient Python applications with a focus on clean code, algorithm implementation, and design patterns for high-performance software.</li> <li>• Proficient in implementing data analysis and machine learning algorithms using libraries like NumPy, Pandas, and Scikit-learn. Successfully applied these skills to solve real-world problems and collaborated in development efforts.</li> </ul>	
06/2018–09/2019	<b>PYTHON DEVELOPER</b>	<b>FARA SANAT</b>
INTERN	<ul style="list-style-type: none"> <li>• Assisted in the development and testing of a Python-based application.</li> <li>• Collaborated with the development team to create a new application using Python.</li> <li>• Contributed to the coding process by implementing specific functionalities and modules.</li> <li>• Actively participated in code reviews to ensure code quality and adherence to project requirements.</li> <li>• conducting unit testing, and troubleshooting issues.</li> </ul>	

## LANGUAGES

**English** - C1, **Italian** - A1, **Germany** - A1 **Persian** - native