

Sajjad Goudarzi

Python Developer & Data Engineer

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Via Mario Borsa, 25, MI, Milan

EDUCATION

- **Politecnico di Milano, Milan** | *Master of Telecommunication minors in IoT* **Sep 2021 - 2024**
Relevant Coursework: Data Mining, Computer Networks, Network Design, Database II, Artificial Intelligence
- **Isfahan University of Technology, Iran** | *Bachelor of Computer Science* **Sep 2016 - July 2021**
Relevant Coursework: Algorithms and Data Structures, Databases, Software Engineering, Operating Systems

EXPERIENCE

- **Otovo, Milan** | *Data Analyst intern* **Nov 2023 - Mar 2024**
 - Built data reporting infrastructure with SQL, Excel and Power BI to provide real time insights. Collaborated with senior analysts to automate data cleaning tasks using Numpy and Pandas saving 12 hours weekly.
- **Networked Embedded Systems Lab@Polimi, Milan** | *Python Developer intern* **Feb 2023 - July 2023**
 - Collaborated with a team of 4 in coding, debugging, testing, and deploying the Crazyflie Python API. Debugged over 100 small to medium-sized issues in older scripts. Implemented PULP Frontnet on drones.
- **Isfahan University of Technology, Isfahan** | *C++ Coding Tutor* **Sep 2017 - Sep 2020**
 - Instructed over 80 students in C++ programming, teaching principles of Object-Oriented Programming.
- **Rayanrahjoo Bootcamp, Tehran** | *.NET Engineer intern* **July 2014 - Nov 2014**
 - Engineered a comprehensive Windows-based library book rental system with .NET, C#, and SQL; streamlined rental processes, and user account management, enhancing processing time by 90%.

PROJECTS

- End-to-end streaming pipeline with Apache **Kafka** on Amazon **MSK** using **Python** [\[Link\]](#)
- Streaming application to process Amazon **MSK** data using **AWS Glue** Schema Registry [\[Link\]](#)
- **Business Analysis** on Yelp Dataset
 - Analyzed top businesses using **Python**, **Pyspark** and **PostgreSQL**. Evaluated based on reviews and average star rating, and five-star ratio. Challenging aspects included: data loading, cleaning, and designing an ERD
- **Tableau** Dashboard to analyze House Renting trends in Milano for 2024
 - Developed a Tableau Dashboard to analyze House Renting trends in Milano for 2024, leveraging a listing dataset with 25,000 records. Identified booking patterns, and optimized pricing strategies. [\[Link\]](#)
- Airways Review Analysis Dashboard [\[Link\]](#) [\[Link\]](#)
 - Created an interactive dashboard by web scraping with **Python's Beautiful Soup** and using **Tableau**.
- Exploring Audience Preferences and Genre Trends [\[Link\]](#)
 - Exploratory data analysis (**EDA**) on a dataset comprising 1000 records and 18 fields from IMDB dataset.
- Optimizing LTE Network User Satisfaction: Insights from Python Analysis [\[Link\]](#)
 - Analyzed LTE network user satisfaction using **Python** libraries **Pandas**, **NumPy**, and **Scikit-learn**.

SKILLS

- Programming and Scripting: Python · SQL · JavaScript · R · C++
- Data Analytics and Visualization: Power BI · Tableau · Excel
- Cloud: AWS (Lambda, DynamoDB, S3, EC2, Glue, MSK, Cloudformation) · BigQuery
- DevOps and CI/CD: GIT · Docker · Terraform · CodePipeline · GitHub Actions
- Others: PySpark · Next · REST · Confluent
- Languages: fluent English · pre intermediate Italian · native Persian

CERTIFICATIONS

- AWS Cloud Technical Essentials (Ongoing)
- Google Data Analytics Professional Certificate
- Supervised Machine Learning: Regression and Classification