

# Sina Dehghanian

Data Analyst | Data Engineer | BI Developer

Tehran, Iran  
✉ Dehghanian.Sina@gmail.com  
🌐 www.SinaD.me  
🌐 SinaDehghanian  
📺 live:Dehghanian.Sina



## Work Experience

1403.06 **Data Analyst & Engineer, Bitpin, Tehran.**

| Bitpin is one of the most popular Fintech platforms in the country. (bitpin.io)

- 1402.03 Working closely with T&P Teams to implement new tools for improving Data Infrastructure and processes.
- Strong collaboration with C-level executives to provide data-driven solutions for business growth.
- Working as the first Data Engineer in the company by personally developing the first ETL structure mainly using Python and PostgreSQL, which enabled me to implement various ETL pipelines across different departments (Product, Finance, Marketing).
- Conducted competitor analysis by gathering raw data from various sources, including open APIs and web crawling, and automated the process by scheduling jobs on remote servers using SSH and crontab.
- Visualized raw data to generate insightful reports, providing the eagle-eyed perspective for the business.
- Personally designed and implemented monitoring and alerting system, enabling data players to effectively monitor their jobs across the company.

1401.12 **Data Analyst, Roomvu, remote from Tehran.**

| Roomvu is an AI-powered automated video marketing tool that creates and shares video contents to a real-estate agency's social media channels. (roomvu.com)

- 1401.03 Designing dashboards in collaboration with T&P (Tech and Product) teams using metabase.
- Strong collaboration with the CEO and board members.
- Working as a Data Engineer in the Data Analytics Team, developing the first ETL pipeline using Airflow, Python, and SQL.
- Conducted various A/B tests and utilized Google Analytics to provide optimal solutions to product teams.
- Developed BOTs to automate reporting, assisting managers in monitoring their OKRs.
- Developed and automated data collection via the call center API using Python, and analyzed the data to create a comprehensive dashboard for monitoring sales agents' performance.

1401.02 **Financial Data Analyst, Revolut, Poland | on-site.**

| Revolut is one of the best neo-banks and financial super apps in Europe. (revolut.com)

- 1400.11 Working as a financial data analyst in Finance Department.
- Developing the platform for dashboards and reports as a reporting service to the board members.
- Designing and maintaining the DAGs on Airflow.
- Developing ETL pipelines using Python and SQL.
- Finding and resolving financial reconciliations on data using SQL.
- Working with Google Cloud Platform (GCP) as storage infrastructure and bitbucket as the git platform for team projects.

1400.11 **Business Data Analyst, Digikala, Tehran.**

| Digikala is the largest online marketplace and retail in the middle east. (digikala.com)

- 1399.12 Working closely with other teams to create insightful dashboards using Power BI.
- Defining and developing various metrics and KPIs to monitor the growth of the business.
- Holding regular meetings for publishing reviews and presentations with managers and the business.
- Optimizing business processes by using analytical projects and approaches.
- Using git for version controlling in team projects.
- Preparing Ad-hoc reports for business and product teams.

1399.11 **Product Data Analyst, Balad Maps, Tehran.**

| Balad is the leading Persian maps and navigation service in Iran. (baladmaps.com)

- 1398.07 Calculating various metrics and KPIs for product teams.
- Design insightful dashboards to showcase important trends using Apache Superset.
- Designing and implementing ETL pipelines for performing computations on big data.
- Working with git for versioning and source code tracking.

1398.06 **Software QA Engineer**, *Balad Maps*, Tehran.  
| Balad is the leading Persian maps and navigation service in Iran. (baladmaps.com)  
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1397.06 **BI Developer**, *Raya Navid Systems*, Tehran.  
| Raya Navid focuses on developing omni-channel BPMS systems using BPMN 2.0. (has been dissolved.)  
1397.04

## Technical Skills & Tools

- Data Analysis, Data Visualization, Machine Learning
- Python (Pandas, Numpy, Flask, SQLAlchemy, requests) , SQL
- PostgreSQL, MySQL, MS SQL Server, Power BI, Metabase
- Apache Zeppelin, Apache Superset, Apache Airflow
- git, Jira, Linux
- Visual Paradigm (UML), BPMN,  $\LaTeX$

## Education

2016–2019 **M.Sc.**, *Isfahan University of Technology*, Artificial Intelligence.  
Thesis: *Workload Offloading in Fog Computing: A Cooperative Approach*  
Supervisor: Dr. Manshaei  
Using Reinforcement Learning methods like Q-Learning for optimizing workload offloading in the Fog Computing paradigm in terms of delay and QoS.

2012–2016 **B.Sc.**, *Isfahan University of Technology*, Computer Engineering.  
Project: *Mining Web Data in the field of E-Commerce*  
Supervisor: Dr. Ghadiri  
Performing sentiment analysis on Persian comments published on one of the biggest E-commerce websites and classifying each comment.

## Academic Experience

21014–2018 **Lab Instructor**, *Isfahan University of Technology*.  
Instructor of many undergraduate labs, including:

- Database Lab. (instructor and chief of TAs): SQL
- Software Engineering Lab.: UML and Agile
- Fundamental of Programming Lab.: C/C++

## Courses and Certificates

**Machine Learning**, *Coursera*.  
**Data Analysis with Python**, *Coursera*.  
**Data Visualization with Python**, *Coursera*.  
**Task-Oriented Course in Version Control with Git**, *Quera College*.

## Honors

- Merit-based admission to a master's program due to a top graduation rank in bachelor's.
- Ranked top 10% of graduates at the master
- Ranked top 10% of graduates at the bachelor

## Languages

English: Advanced | IELTS Academic C1