Soheil Salmani

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Professional Summary

Data engineer and Python developer focused on data acquisition, cleaning, and analytics—primarily in financial-data contexts and BI workflows. Experienced in building efficient ETL pipelines, structuring large datasets, and collaborating with analysts to deliver dashboards and reports. Active in mathematics and computer science communities; open to relocation to Germany or Ireland, and available for remote roles.

Key Skills

Python (Programming Language)	ETL Pipelines	Linux
SQL	Git	Bash
Pandas	NumPy	Requests
Matplotlib	Seaborn	Scikit-Learn
Data Cleaning & Wrangling	Data Visualization	Business Intelligence (BI)
Exploratory Data Analysis (EDA)	Mathematics	Troubleshooting
Project Management	Self Learning	Technical Leadership
Teamwork	Strategy	Public Speaking
Problem Solving	C	Robotics

Experience

Data Engineer — Fara-Ro | Tehran, Iran (Dec 2024 – Present)
- Collect, clean, and structure financial data (primarily stock-market sources).
- Design and optimize data acquisition processes for faster, more accurate updates.
- Perform exploratory data analysis (EDA) and support BI teams with actionable insights.
- Use Python (Pandas, NumPy, requests) and SQL to automate data pipelines.

Technical Manager — Asansafar Iranian | Tehran Province, Iran (Aug 2023 – Present)
- Built and led a cross-functional tech team (web & mobile).
- Defined the technical roadmap and aligned it with business objectives.
- Delegated tasks, set sprint goals, and ensured milestone delivery.
- Provided architectural direction and oversaw code quality.

Python Developer — Asansafar Iranian | Tehran Province, Iran (Jun 2023 – Aug 2023)
- Refactored and stabilized legacy Python code for scalable backend development.
- Implemented core business logic and prepared the system for productization.

- Promoted to Technical Manager based on performance and initiative.

Freelance Programmer — Self-Employed | Tehran, Iran (Mar 2020 – Present)
- Built personal projects with Python, including bots and data-automation tools.
- Participated in Project Euler and Natas challenges; earned top ranks in school competitions.
- Developed a Voice Cloning project recognized by Pardis Technology Park; led to startup formation and ecosystem networking.

Projects

- Voice Cloning (SV2TTS, Python) — Presented at Pardis Technology Park; showcased at the Crisis Management Headquarters with attendance by national officials and UN representatives (Mr. Mohammad Mokhber, Mr. Rajagopal Gundu, Mr. Stefan Priesner). Media: IRIB Channel 1 Broadcast (Jan 2023) | IRIB Nasim Segment (Exir Festival, 2024).
- Methane Gas Detection (Python) — Prototype for detecting hazardous levels based on sensor logic and thresholds; presented in Sampad programming competitions.
- Asansafar — Smart Urban Mobility — Defined technical direction; prepared MVP for service operations; defended at Tehran Municipality project panel (Oct 2023).

Education

B.Sc. in Mathematics and Applications — Kharazmi University (Oct 2024 – Present)
Core Council Member of the Mathematics Scientific Association (one of seven). Member of the AI Society.

Diploma in Mathematics & Physics — Sampad (National Organization for Development of Exceptional Talents) (Sep 2018 – Jul 2024)
Selected projects presented at national exhibitions; awards in programming, cultural and artistic competitions; school basketball team.

Licenses & Certifications

CS50x Puzzle Day 2025 — Harvard University (Issued Apr 2025).	CS50x Puzzle Day 2024 — Harvard University (Issued Apr 2024).
Data Analysis with Python — freeCodeCamp (Issued May 2023).	Machine Learning with Python — freeCodeCamp (Issued May 2023).
Scientific Computing with Python — freeCodeCamp (Issued Apr 2023).	CS50x Puzzle Day 2023 — Harvard University (Issued Mar 2023).
CS50x — Harvard/CS50 (Issued Dec 2022).	Microsoft Learn — (Issued Feb 2022).
Git: Become an Expert in Git & GitHub — Udemy (Issued May 2023).	Intro to Python — Udemy (Issued May 2023).
Introduction to Python Programming — Udemy (Issued May 2023).	Git Started with GitHub — Udemy (Issued May 2023).
Python — Mimo (Issued Apr 2020).	SQL — Mimo (Issued Apr 2020).
LOGIC — Raymand Robot (Issued Jun 2018).	KAIROBOT 3 — Raymand Robot (Issued Dec 2017).

Honors & Awards

ICT Challenge 9 — Sharif University of Technology (Sep 2024).	Innovative Research Project — Sharif University of Technology, Exir Festival (Aug 2024).

Top Young Inventor & Researcher (again) — Pardis Technology Park (Jan 2024).	Project Defense — Tehran Municipality (Oct 2023).
Best Programming Project — Sampad Cultural & Artistic Competitions (Apr 2023).	Best Research Project — Crisis Management Headquarters (Feb 2023).
Top Young Inventor & Researcher — Pardis Technology Park; broadcast on IRIB Channel 1 (Jan 2023).	Best Programmer — Ministry of Education (May 2022).
Best Programming Project — Sampad Cultural & Artistic Competitions (Apr 2022).	

Organizations

- Mathematics Scientific Association — Council Member (Core Committee), Kharazmi University.
- Artificial Intelligence Association — Member, Kharazmi University.

Languages

- English — Professional Working
- German — Limited Working
- Persian — Native/Bilingual

Volunteer Experience

Active Developer — Discord (Jan 2023 – Apr 2023 | 4 months)
- Earned the Active Developer Badge by building and maintaining a functional Discord bot using Python and the Discord API.
- Developed custom bot commands, event listeners, and automation tools.
- Integrated APIs and handled real-time data interactions within servers.
- Actively engaged with the Discord developer community.
- Gained practical experience in asynchronous programming and bot deployment.

Researcher (Volunteer) — Pardis Technology Park (Dec 2022 – Feb 2023 | 3 months)
- Volunteered for two consecutive years at the Pardis Science and Technology Park Exhibition to enhance applied skills and industry exposure.
- Actively engaged with deep-tech and knowledge-based companies, including a brief collaboration with 'Zagro' on research alignment.
- Presented projects to technology firms and public-sector representatives; selected for a televised segment on IRIB Channel 1.
- Enhanced abilities in scientific communication, rapid technical scoping, and professional networking.