

Masoud Khalilian

24 Corso Duca degli Abruzzi Turin, Italy 10129

Masoud.Khalilian@studenti.polito.it

MasoudKhalilian.com | Github.com/Masoud-Khalilian

I am currently pursuing an M.Sc. in Data Science and Engineering at Politecnico di Torino and am seeking a company collaboration for my thesis project. Experienced in building real-time dashboards and applying Machine Learning for real-world data solutions.

Skills

Focus Area	Machine and Deep Learning, Computer Vision, NLP and LLMs, Data Engineering, and Visualization
Languages	Python, JavaScript, SQL, Java, C#, TypeScript
Frameworks & Libraries	React, Node.js (Express), ASP.NET Core, D3.js
Data Tools	PyTorch, Scikit-learn, Hadoop, Spark, MongoDB, SQL Server
Communication	English: TOEFL 103 (Speaking 28, Listening 28, Reading 24, Writing 23) Farsi: Native

Education

Master of Science in Data Science & Engineering, Polytechnic University of Turin	<i>Expected 2025</i>
Bachelor of Science in Computer Software Engineering, Islamic Azad University	<i>January 2018</i>

Experience

- Developer & Maintainer, *Data Cleaner Assistant* [\[Live Link\]](#) *Turin Jan 2025–Present*
Delivered a lightweight, user-friendly tool that helps users clean data intuitively using prompts.
- Mid-Level Front-End Developer, *Dorfak Intelligence* *Tehran Jan–Aug 2022*
Built a real-time stock trading dashboard, reducing page load times by 25% and enhancing user interaction.
- Junior Front-End Developer, *Dorfak Intelligence* *Tehran Jan–Dec 2021*
Created d3.js financial charts and trading forms; ensured compliance.
- Junior Front-End Developer, *Wolfy-Agency* *Tehran Jun–Dec 2020*
Built WordPress and React-based sites with many UI libraries, including: Tailwind, AntD, Bootstrap.
- Junior Full-Stack Developer, *Cadence Music Magazine* *Tehran Feb 2018–Jan 2020*
Managed CMS, resolved issues, improved performance. [\[Project Page\]](#)

Projects & Research

- GLIMPSE Summarization *PoliTo Feb 2025*
LLM-based review summarization with PEGASUS & FLAN-T5.
- Big Ag Network Analysis *Univ. of Kentucky Oct 2023–Oct 2024*
Implemented a web scraping and data cleaning pipeline for Sayari Graph automation, reducing manual extraction time and improving accuracy.
ETL pipeline with UI for agricultural policy research. A Python script to consolidate big data.
- Designer AI *PoliTo Feb 2024*
Prompt engineering, using language models to generate ER diagrams from text-based prompts for educational use.
[\[Project Page\]](#)
- Semantic Segmentation *PoliTo Sep 2023*
Computer Vision Project, Lightweight CNNs for waste sorting under hardware restriction. [\[Project Page\]](#)
- Intent Recognition *PoliTo Jul 2022*
Voice-based classification using SVM & Random Forest. [\[Project Page\]](#)