

Dariush Kazemi

Data Scientist · Data Engineer

📍 Tehran 📩 dariushkazemi77@gmail.com

🌐 OnTime

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Education

University of Tehran — Ph.D. in Computer Science

📅 Oct 2024 - present

Amirkabir University — M.Sc. in Computer Science

📅 Oct 2021 - Oct 2023

Experience

OnTime — Data Engineer

📅 Jan 2025 - present

Apache Kafka Neo4j PostgreSQL Docker PyTorch Swagger

- Implemented real-time **data synchronization** between PostgreSQL and Neo4j using **Apache Kafka** with CDC patterns.
- Designed a **Graph Neural Network (GNN) recommender system** for personalized event and mentor matching.
- Managed deployment at **INOTEX 2025** (Pardis Technology Park, April 29 - May 2), where the app handled **3500+ active users** and offered innovative live event recommendations.

Colife Integrated Medical Labs — Data Scientist

📅 Mar 2024 - present

Neo4j Next JS

- Pioneered ML-based analysis of genotype/phenotype data
- Implemented Neo4j databases to power personalized genomic analysis.
- Developed a Genetic Expert Assistant app using Next.js

University of Tehran — Research Collaborator

📅 Jan 2025 - Mar 2025

PostGIS QGIS GEE

- Collaborated on a geoinformatics project, developing PostgreSQL-PostGIS databases for spatial data and fine-tuning LLMs for pattern recognition

Kar Center — AI Consultant & System Advisor

📅 Feb 2024 - Mar 2024

PyTorch PyG GNN

- Designed AI-driven recommender systems and fraud detection for a dating app; advised advanced algorithm development and system integration.

Selected Geeks — Data Engineer

📅 Jun 2023 - Aug 2023

BeautifulSoup Docker Selenium

- Led backend development of a distributed data crawling system, optimizing storage and retrieval.

Amirkabir University of Technology — Teaching Assistant

📅 Jan 2022 - May 2023

PyTorch PyG GNN

- TA for "Design and Analysis of Algorithms"; instructed graph theory, ML concepts, and coding assignments.

Gilan Pardazesh/Dana Clinic — Computer & IT Technician

📅 Jan 2015 - Apr 2023

Hardware maintenance

- Provided system support and PC maintenance.

Technical Skills

Programming

FE related

Next JS CSS/SCSS TypeScript Tailwind CSS KivyMD PyQt

BE related

Cypher SQL Django Java

AI & Data

Data Science

TensorFlow PyTorch Scikit-learn Pandas/NumPy Graph Neural Network

Data Engineering

Apache Kafka PostgreSQL Redis Change Data Capture

ClickHouse ETL Pipelines Data Synchronization Docker

Databases

PostgreSQL + PostGIS Neo4j MongoDB Redis

Tools & Softwares

Coder related

VS Code Git CI/CD Pipelines Swagger

Designer related

Figma Qt Designer

Honors & Awards

2015: Gold Math medal – 8th International Scientific League of PAYA (Tehran, Iran)

2009: Chosen school student for Gauss Mathematics Competition (Grade 7, Tehran)

Languages

Persian: Native

English: Proficient

Russian: Basic