

PROFESSIONAL SUMMARY

2nd year Ph.D. student in Computer Science at Temple University specializing in multimodal AI, graph reasoning, and structured diagrammatic understanding. My research investigates how Vision-Language Models (VLMs) and LLMs interpret complex visual and conceptual structures, focusing on structural reasoning over Entity-Relationship diagrams (ERDs) and flowcharts, benchmark creation (e.g., ERUnderstand, SeeTheFlow), and robust NL-to-Cypher semantic evaluation and diagnosis. Seeking a research internship to apply multimodal ML, structured reasoning, and LLM evaluation expertise to real-world AI systems.

RESEARCH INTERESTS

- Multimodal AI & Vision–Language Models (VLMs)
- Natural Language Interfaces for Databases (NL-to-Cypher / Text-to-Graph)
- Diagrammatic Reasoning (Entity–Relationship Diagrams, Flowcharts)
- LLM & VLM Benchmarking, Evaluation, and Diagnosis
- Graph Machine Learning & Structured Knowledge Representation
- Deep Learning & Natural Language Processing

EDUCATION

Ph.D. in Computer Science, *Temple University* 2025 — present

- Advisor: Prof. Eduard C. Dragut

B.Sc. in Computer Engineering, *Amirkabir University of Technology* 2019 — 2024

Diploma in Mathematics and Physics, *Allame Helli High School* 2016 — 2019

National Organization for Development of Exceptional Talents

PUBLICATIONS

- **SeeTheFlow: Adaptive Structural Priors and a CPU Prior-Trust Gate for Flowchart VLMs**
A. Ansari, Y. Mohammadi, E. Dragut
Under review at ICLR 2027
- **Text2EER: Evaluating Structural Recovery and EER Modeling Correctness**
A. Ansari, E. Dragut
Under review at VLDB 2027
- **Evaluating Vision–Language Models on Structural Reasoning in Entity–Relationship Diagrams**
A. Ansari, P. Esmailkhani, L. Latecki, E. Dragut
Under review at NAACL 2027
- **ERUnderstand: A Benchmark for Evaluating Vision–Language Models on Entity–Relationship Diagrams**
A. Ansari, Y. Mohammadi, F. Nilizadeh, P. Esmailkhani, L. Latecki, E. Dragut
Under review at KDD 2027
[\[Paper\]](#)
- **Persian Ezafeh Recognition using Transformer-Based Models**
A. Ansari, Z. Ebrahimian, R. Toosi, M. A. Akhaee
2023 9th International Conference on Web Research (ICWR), Tehran, Iran, 2023.
[\[Paper\]](#) | [\[Code\]](#)
- **CypherLens: An Interactive Demo for Evaluating and Diagnosing NL-to-Cypher Systems**
Y. Mohammadi, A. Ansari, L. Latecki, E. Dragut
Accepted to VLDB 2026
[\[Paper\]](#)
- **CypherSem: Graph-Native Semantic Error Analysis for NL2Cypher**
Y. Mohammadi, A. Ansari, A. Acharya, L. Latecki, E. Dragut
Under review at VLDB 2027
- **CypherLenz: Graph-Native Evaluation, Diagnosis, and Repair for NL-to-Cypher Systems**
Y. Mohammadi, A. Ansari, A. Acharya, L. Latecki, E. Dragut
Under review at KDD 2027

HONORS AND AWARDS

- Awarded the **University Fellowship**, one of Temple University's "most prestigious awards", in recognition of academic achievement, granted to newly admitted doctoral candidates demonstrating "high potential for success" and "academic achievement". - September 2024
[View Award Details](#)
- Achieved **third** place with "RSAI" team on the Intent Detection in Complex Queries Challenge in 7th Amirkabir Artificial Intelligence Competition(AAIC) - May 2023
[View Certificate](#)
- Achieved top **1%** place among all applicants for the University Entrance Nationwide Exam (Approximately 200000 applicants) Iran. - Summer 2019

RESEARCH EXPERIENCES

- | | |
|---|---|
| Research Assistant, Vision Language Models
<i>Temple University</i> | January 2025 — present
<i>Philadelphia, PA</i> |
| <ul style="list-style-type: none">Under the supervision of Professor Eduard C. Dragut | |
| Research Assistant, Generative Adversarial Networks on faces
<i>Amirkabir University of Technology</i> | March 2023 — May 2024
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Assistant Professor Ahmad Nickabadi | |
| Research Assistant, Glasses shop using 3D Augmented Reality
<i>Amirkabir University of Technology</i> | February 2023 — February 2024
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Associate Professor Alireza Bagheri | |
| Research Intern, Natural Language Processing
<i>Avir Company</i> | June 2022 — September 2022
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Associate Professor Mohammad Ali Akhaee | |

TEACHING EXPERIENCES

- | | |
|--|--|
| Teaching Assistant, Mathematical Concepts in Computing II
<i>Temple University</i> | Fall — 2026
<i>Philadelphia, PA</i> |
| <ul style="list-style-type: none">Under the supervision of David DoborMember of project and exam design team. | |
| Teaching Assistant, Projects in Data Science
<i>Temple University</i> | Spring — 2025
<i>Philadelphia, PA</i> |
| <ul style="list-style-type: none">Under the supervision of Assistant Professor Nancy PolychronopoulouMember of project and exam design team. | |
| Teaching Assistant, Information Retrieval
<i>Amirkabir University of Technology</i> | Fall — 2023
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Assistant Professor Ahmad NickabadiMember of project and exam design team. | |
| Lab Assistant and Teaching Assistant, Microprocessor and Assembly Language Lab
<i>Amirkabir University of Technology</i> | Fall — 2022, Spring — 2023
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Associate Professor Hamed FarbehLab assistant and member of lab agenda design team. Spring — 2023Member of assignments and projects design team. Fall — 2022 | |
| Teaching Assistant, Linear Algebra
<i>Amirkabir University of Technology</i> | Fall — 2021
<i>Tehran, Iran</i> |
| <ul style="list-style-type: none">Under the supervision of Assistant Professor Ehsan NazerfardMember of assignments and projects design team. | |

(+1) 2158889453
Philadelphia, PA
ali.ansari@temple.edu

Ali Ansari

salinaria.github.io
github.com/salinaria
linkedin.com/in/salinaria

Teaching Assistant, Fundamental Programming

Amirkabir University of Technology

Fall — 2020

Tehran, Iran

- Under the supervision of Assistant Professor **Bahador Bakhshi**
- Member of assignments and projects design team.

LANGUAGES

- Persian (Native)
- English (Fluent)
- Turkish (Familiar)

CERTIFICATES

- **Convolutional Neural Networks** - Coursera Offered by **deeplearning.ai**
[View Certificate](#)
- **Natural Language Processing with Attention Models** - Coursera Offered by **deeplearning.ai**
[View Certificate](#)
- **Sequence Models** - Coursera Offered by **deeplearning.ai**
[View Certificate](#)

TECHNICAL SKILLS

Programming Languages	Python, Java, JavaScript, C/C++, Arduino
Data science Frameworks	Tensorflow, Pytorch, Scikit-learn, Numpy, Pandas, Matplotlib
Tools	Git, Github, Jupyter Notebook, Colab, Pycharm, VSCode, Android Studio, Postman, Latex