

# Mohanna Hoveyda

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I am a second-year PhD candidate at Radboud University, specializing in *Knowledge-Enriched Conversational AI*, co-advised by Professors [Arjen P. de Vries](#), [Maarten de Rijke](#), and [Faegheh Hasibi](#). My research interests encompass 1) Employing neuro-symbolic solutions for reasoning with language models, and 2) Developing adaptive systems that dynamically choose the best answering strategy—providing a direct response, retrieving information, or engaging in reasoning—based on user input characteristics.

## EDUCATION

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<b>PhD, Radboud University, iCIS</b> Knowledge-Enriched Conversational AI	Nijmegen, Netherlands <i>February 2023</i>
<b>MSc, University of Tehran, FNST</b> Computational Linguistics	Tehran, Iran <i>September 2020–January 2023</i>
<b>Bachelor, University of Tehran, ECE &amp; FFL</b> Computer Engineering (Minor) French Language and Literature (Major)	Tehran, Iran <i>2018–2020</i> <i>2016–2020</i>
<b>Highschool, National Organization for Development of Exceptional Talents (NODET)</b> Mathematics and Physics	Karaj, Iran <i>2012–2016</i>

## RESEARCH

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<b>Adaptive Question Answering in a Society of LLMs</b> Co-Authors: <a href="#">Arjen P. de Vries</a> , <a href="#">Harrie Oosterhuis</a> , <a href="#">Faegheh Hasibi</a> , <a href="#">Maarten de Rijke</a>	<i>arXiv Preprint</i>
<b>Real-World Conversational Entity Linking Requires More Than Zero-Shots</b> Co-Authors: <a href="#">Arjen P. de Vries</a> , <a href="#">Faegheh Hasibi</a> , <a href="#">Maarten de Rijke</a>	<i>ACL 2024 Findings</i>
<b>Network Science-Based Structural Analysis of Semantic Representations</b> Supervisors: <a href="#">Mostafa Salehi</a> , <a href="#">Paulino Villas-Boas</a> , <a href="#">Mahmood Bijankhan</a>	<i>Master's Thesis</i>

## EXPERIENCE

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<b>Teaching Assistant</b> , Information Retrieval <i>Radboud University, Nijmegen, Netherlands</i>	<i>2023</i>
<b>Teaching Assistant</b> , Machine Learning for Natural Language Processing <i>University of Tehran, Tehran, Iran</i>	<i>2022</i>

## WORKSHOPS AND SCHOOLS

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<b>The European Summer School on Information Retrieval (ESSIR)</b> Amsterdam, Netherlands, University of Amsterdam Vienna, Austria, Technische Universität Wien	<i>July 2024</i> <i>August 2023</i>
<b>High-Performance Computing (HPC) and Deep Learning Workshop</b> Tehran, Iran, HPC Laboratory, Institute for Research in Fundamental Sciences (IPM)	<i>August 2022</i>
<b>Summer School of Intelligent Learning</b> Tehran, Iran, Institute for Research in Fundamental Sciences (IPM) and Sharif University of Technology	<i>July 2019–August 2019</i>
<b>Autumn School of Mind and Brain</b> Tehran, Iran, Cognitive Sciences and Technologies Council and The University of Tehran	<i>November 2018</i>

## AWARDS AND SCHOLARSHIPS

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<b>Ranked 6th in Computational Linguistics National Master's Entrance Exam</b> Iran National Organization for Educational Testing	August 2020
<b>Scholarship for Computational Linguistics Master's Program</b> Tehran, Iran, University of Tehran	August 2020
<b>2nd Prize for The Best Actress in The 4th Student Festival of Francophone Theater</b> Tehran, Iran, Iranian Association of French Literature and Language (AILLF)	May 2019
<b>Scholarship for Bachelor of French Literature</b> Tehran, Iran, University of Tehran	August 2016

## SKILLS

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**Languages:** Persian (Native), English (Fluent), French (Intermediate), Dutch (Basic)

**Programming:** Python (Advanced), C (Intermediate), C++ (Intermediate), HTML (Basic), CSS (Basic)

**Frameworks & Other Computing Skills:** Natural Language Processing (NLTK, SPACY, Gensim, Hugging-face), Deep Learning (Tensorflow, Cuda, Scikit-learn), Others (Networkx, Numpy, Pandas, Seaborn), Praat

## REFERENCES

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**Arjen P. de Vries** a.devries@cs.ru.nl

Professor of Information Retrieval at Radboud University and Research Director of iCIS

**Maarten de Rijke** m.derijke@uva.nl

Professor of Artificial Intelligence and Information Retrieval at the University of Amsterdam

**Faegheh Hasibi** f.hasibi@cs.ru.nl

Assistant Professor of Information Retrieval at iCIS, Radboud University

**Harrie Oosterhuis** harrie.oosterhuis@ru.nl

Assistant Professor at iCIS, Radboud University and Visiting Research Scholar at Google DeepMind