Seyedali Mohammadi

Contact Information

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Education

Ph.D • Computer Science USA • University of Maryland, Baltimore County (2021 Aug – Present, GPA:3.81)
Expected Graduation: Summer 2026
Advisor: Prof. Manas Gaur, Co-advisor: Prof. Frank Ferraro
Thesis: Explainable Language Models

MSc. • Artificial Intelligence Iran • Islamic Azad University (GPA: 3.63)
Advisor: Dr. Mahdi Yaghoobi
Project: Facial Expression Recognition Based on Adaptive Neuro-Fuzzy Inference System

BSc. • Software Engineering Iran • Islamic Azad University (GPA: 3.40)

Research Interest

Natural Language Processing • Machine Learning • Explainability • Robustness • Conversational AI • AI for Health & Wellness

Experiences

University of Maryland, Baltimore County • Research Assistant (2023 May – Present)
– Explainability in Language Model

Infinitus Systems, Inc. • NLP Research Internship (Summer 2025)
– Conversational AI & Synthetic Data Generation

University of Maryland, Baltimore County • Graduate Teaching Assistant (2021 Aug – 2023 May)
– Machine Learning, Data Structure

Publications

Do LLMs Adhere to Label Definitions? Examining Their Receptivity to External Label Definitions
Seyedali Mohammadi, Bhaskara Hanuma Vedula, Hemank Lamba, Edward Raff,
Ponnurangam Kumaraguru, Francis Ferraro, and Manas Gaur.
[EMNLP 2025 (Main Conference, to appear)]

Can LLMs obfuscate code? A systematic analysis of large language models into assembly code obfuscation
Seyedreza Mohseni*, Seyedali Mohammadi*, Deepa Tilwani, Yash Saxena, Gerald Ketu Ndawula,
Sriram Vema, Edward Raff, Manas Gaur (*equal contribution) **[AAAI 2025]**

WellDunn: On the Robustness and Explainability of Language Models and Large Language Models in Identifying Wellness Dimensions
Seyedali Mohammadi, Edward Raff, Jinendra Malekar,
Vedant Palit, Francis Ferraro, Manas Gaur **[BlackboxNLP at EMNLP 2024]**

LingVarBench: Benchmarking LLM for Automated Named Entity Recognition in Structured Synthetic Spoken Transcriptions
Seyedali Mohammadi, Manas Paldhe, and Amit Chhabra **[arXiv 2025, to appear]**
Work conducted during internship at Infinitus Systems, Inc.

IoT-Based Preventive Mental Health Using Knowledge Graphs and Standards for Better Well-Being
Amelie Gyrard, Seyedali Mohammadi, Manas Gaur, Antonio Kung **[arXiv 2024]**

Attribution in Scientific Literature: New Benchmark and Methods
Deepa Tilwani, Yash Saxena, Seyedali Mohammadi, Edward Raff, Amit Sheth,
Srinivasan Parthasarathy, Manas Gaur **[arXiv 2024]**

Certification

• **Python for Everybody**, University of Michigan (*Coursera)*
Getting Started with Python (100%), Python Data Structures (98.4%), Using Python to Access Web Data (97.4%), Using Databases with Python (98.1%), Capstone: Retrieving, Processing, and Visualizing Data with Python (96.2%)

*• **Deep Learning Specialization**, DeepLearning.AI (Coursera)*
Neural Networks and Deep Learning (100%), Improving Deep Neural Networks (100%), Convolutional Neural Networks (99.5%), Sequence Models (99%), Structuring Machine Learning Projects (96.7%)

Services

Reviewer
Computer Applications in Engineering Education (Wiley) Journal (2020)
ACM Transactions on Computing for Healthcare
AAAI 2023, AAAI 2024, AAAI 2026
EMNLP 2024
IEEE Intelligent Systems (2024)

Program Committee Member
AAAI 2026 Conference (including AI Alignment Track)
Cyber Social Threats (CySoc) Workshop at The Web Conference (2023)
Knowledge-Infused Learning (KIL) Workshop at SIGKDD (2023, 2024)
Knowledge Graph for Responsible AI (KG-STAR) Workshop at CIKM (2024)