Ghazaleh Kazeminejad

Contact Information

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- **GitHub:** https://github.com/ghamzak

Summary/Objective

Senior AI/ML Engineer and NLP PhD with 7+ years of experience developing cutting-edge AI/ML solutions, including 3 years in generative AI across finance, IT, retail, oil and gas, and manufacturing sectors. Proven track record in ML, RAG, LLM fine-tuning, agentic AI, and GenAI pipelines. Extensive experience advising enterprise clients, translating advanced ML research into scalable, production-ready systems. Known for scientific rigor, customer obsession, and delivering high-impact solutions aligned with business goals.

Work Experience

Senior AI/ML Engineer │ IBM │ Oct 2023 – Present

NLP Research Scientist │ RedShred │ Jan 2022 – Oct 2023

Graduate Research Assistant (NLP) │ University of Colorado Boulder │ Jan 2015 – Dec 2021

Data Science Intern │ Walmart eCommerce │ May 2019 – Aug 2019

Web Developer │ Sazmand │ Sep 2003 – Dec 2006

Education

PhD in NLP │ University of Colorado Boulder │ 2014 – 2023

- **Major:** Computational Linguistics (Natural Language Processing)
  - Triple Major in Computer Science, Linguistics, and Cognitive Science
- **Dissertation Title:** Computational Lexical Resources for Explainable Natural Language Understanding
- Published in ACL, EMNLP, NAACL, COLING, *SEM, and Frontiers in AI journal.

MA in Linguistics │ University of Kentucky │ 2012 – 2014

BA in English │ University of Tehran │ 2007 – 2011

BSc in Physics │ Amirkabir University of Technology │ 2001 – 2004

Skills

- **Technical Skills:** Python, PyTorch, Hugging Face, RAG, Agentic AI, LLM Fine-tuning, Prompt Engineering, Hallucination Mitigation, React, Full-stack Integration, Scalable Backend APIs, Microservices, Kubernetes, Docker, CI/CD, ONNX, MLOps, GitHub Actions, Model Monitoring, Evaluation, AI Governance, Cloud Development, FAISS, BM25, Hybrid Search, Vector DBs, Contrastive Representation Learning
- **Soft Skills:** Strong Communication skills, Teamwork, Problem-Solving, Leadership, Adaptability, Fast Learning, Curiosity

Volunteering

- Reproducibility Chair, NAACL 2024;
- Area Chair, *SEM 2023;
- Scientific Committee, LREC 2020;
- Publicity Co-Chair, COLING 2020;
- Program Committee, Corpus Linguistics Fest (CLiF) 2016