Bashir Rastegar Panah

⊠ bashir@bu.edu | 🔏 🛅 🎅 🗘

About Me	I am an applied scientist with hands-on experience in developing data-driven solutions across diverse domains, including machine learning observability, recommender systems, and genomics. My recent work experience involves building end-to-end AI applications powered by large language models.
Experiences	♦ Harness, Mountain View, CA
	 Fiddler AI, Palo Alto, CA Nov 2021 - Jan 2024 AI Scientist Developed model-based safety metrics for large language models using low-rank fine-tuning. Designed and implemented tools for measuring distributional shifts in unstructured data. Designed and prototyped anomaly detection algorithms for text and image embeddings. Developed a compliance report generator library for the Fiddler platform. □
	♦ Boston University, Boston, MA
	 Max Planck Institute SWS, Saarbrücken, Germany
	 ♦ Fraunhofer IAIS, Sankt Augustin, Germany
	♦ University of Bonn, Germany
Education	♦ Boston University, Ph.D. Computer Science Boston, MA, 2021
	♦ University of Bonn, M.Sc. Computer ScienceBonn, Germany, 2013
	♦ University of Isfahan, B.Sc. Software EngineeringIsfahan, Iran, 2010
Patent	"System and Method for Data Drift Detection to Improve Data Integrity for Data within a Database" US Patent No. 11,836,163 (Dec 2023)
Selected Publications	(See my Google Scholar profile for a complete list of publications.) ♦ "Auditing Black-box Prediction Models for Data Minimization Compliance" NeurIPS 2021 🖟 🗘

 \diamond "Fighting Fire with Fire: Using Antidote Data to Improve Polarization and Fairness of Recommender Systems" WSDM 2019 \trianglerighteq \spadesuit

 \diamond "Single-cell transcriptional networks in differentiating preadipocytes suggest drivers associated with

tissue heterogeneity" Nature Communications (2020) 🖹 🔾

♦ "Collective Attention to Social Media Evolves According to Diffusion Models" WWW 2014