RISHABH MISRA

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AI educator, instructor, and practitioner with deep expertise in bridging cutting-edge ML research with hands-on enterprise adoption. Course creator for Udacity and LinkedIn Learning; featured instructor at Interview Kickstart; and published author of *Sculpting Data for ML*. 15+ international talks and keynotes; 50+ advisory engagements; 1200+ research citations. Over a decade of production ML leadership at Atlassian, Twitter, Amazon, and startups.

Teaching & Curriculum Design

Udacity — *Global*

Course Creator & Instructor — *2025 – Present*

Creator and primary instructor for Udacity courses on deploying and scaling AI systems in production.

- Designed and delivered Advanced LLM Inference Optimization, teaching thousands of global learners how to scale LLM inference in production environments.
- Architected the end-to-end curriculum covering critical industry techniques including model parallelism, DeepSpeed, TensorRT-LLM, and Triton Inference Server.
- Currently developing *Intelligent Backends with RAG & Chat Models*, covering AI-powered services using retrieval-augmented generation, chat model integration, and intelligent application architectures.
- Developed hands-on coding labs, comprehensive knowledge assessments, and high-quality video instruction.

LinkedIn Learning — *Global*

Course Creator & Instructor — *2025 - 2026*

Featured instructor designing advanced machine learning curriculum for LinkedIn's 1B+ global professional audience.

- Created and published Building LLM-Powered Recommendation Systems, a comprehensive guide to designing, building, and deploying production-ready LLM-powered recommender pipelines.

Interview Kickstart — *Global*

Featured Instructor — *2024 - Present*

- Featured instructor for the Applied Agentic AI and Building Vertical AI Agents technical pathways, leading cohort-based half-day sessions.
- Delivering high-impact, deep-dive sessions on Agentic RAG, LLM system design, and AI agent architectures.

Sculpting Data for ML: The First Act of Machine Learning (Book) — *Global*

Published Author — *2021*

Co-authored a foundational book on dataset curation, achieving 200K+ technology and dataset adoptions worldwide.

- Authored practical frameworks with step-by-step Python code for extracting, cleaning & shaping real-world datasets for production ML systems.
- Adopted as core curriculum in DeepLearning.AI's NLP Specialization on Coursera and Google's TensorFlow Professional Certification program.
- Endorsed by leading AI figures including Prof. Julian McAuley (UC San Diego), Laurence Moroney (Google AI Lead Advocate), and Mengting Wan (Microsoft).

Amazon Machine Learning University & UC San Diego — *Seattle, WA & La Jolla, CA*

ML Teaching Assistant — *2017 – 2019*

Academic and corporate teaching assistant for foundational machine learning courses.

- Amazon MLU: Facilitated courses in Amazon's internal Machine Learning University, upskilling Amazon engineers in practical ML applications.
- UCSD: Mentored graduate students in CSE 158 / 258 (Recommender Systems), guiding session-end projects, hosting design pattern sessions, and grading exams.

Speaking & Workshops

International Tech Conferences — *Global*

Keynote Speaker & Presenter — *2018 – Present*

Delivered 15+ international talks and keynotes across North America and Europe, reaching thousands of ML practitioners and business leaders.

- Delivered the keynote at Driving AI (Copenhagen) on "When NOT to use an agent. Hosted a fireside chat with Reza Zadeh on Industrial AI at Goanna Builders Day. Spoke at AI Dev (Amsterdam) and Open Source Summit (Denver) on securing and evaluating LLMs.
- Presented cutting-edge ML research at ACM RecSys (Vancouver), delivered talks and workshops at PyCon US, Coalesce, Re-Work Enterprise AI Summit, All Things Open (+ book signing), LeadDev Live, ML Conference (Berlin/Munich), and RVA Tech.

Advisory, Consulting & Mentorship

Independent Consulting — *Global*

Strategic AI Advisor — *2024 – Present*

- Delivered 50+ high-impact advisory engagements for industry leaders including Google, Meta, Microsoft, Nvidia, AWS, Airtable, Glean, Salesforce, and Datadog.
- Provided strategic direction on LLM adoption, Generative Personalization, and AI system architecture.

Independent Coaching
Global

MentorCruise & MeetAPro Platforms *2024 – Present*

Providing 1-on-1 technical and career coaching to ML engineers and aspiring AI professionals.

- Maintained a 5.0/5.0 average rating across 50+ verified reviews, consistently driving measurable career outcomes.
- Designed personalized curricula for career transitions, leading to successful placements and technical growth in Agentic AI, LLMs, and Recommender Systems.

Meta Advisory Council & International ML Conferences
Global

Board & Program Committee Member *2020 - Present*

- Appointed member of the Meta Research Advisory Council.
- Served as Program Committee Member/Invited Reviewer for 20+ top-tier international conferences including SIGIR, ICML, KDD, TheWebConf, RecSys, and CIKM since 2020.

Global Media
Global

Expert AI Commentator *2020 – Present*

- Featured in major publications including TechCrunch, NBC, Gizmodo, The Sun, Lifewire, Interesting Engineering, Hyperallergic, Reworked, BuiltIn, and Colliers.
- Provided insights on topics ranging from AI safety and alignment to the mechanics of generative models like DALL-E.

Selected Industry Experience

Atlassian
San Francisco, CA

Principal ML Engineer / Tech Lead *2025 – Present*

- Leading Rovo & Search Quality teams across 20+ engineers. Architecting LLM/SLM pre-training and post-training pipelines powering Atlassian's AI agent. Building Generative Personalization and Foundation Models 0-to-1 across Atlassian products.

Attentive Mobile
San Francisco, CA

Staff ML Engineer / Tech Lead *2023 – 2025*

- Founded the Personalization ML team. Architected Two-Tower & Multi-Task Deep Learning pipelines, LLM-powered personalization, and distributed training/serving at scale for 8K+ brands across hundreds of millions of users.

Twitter
San Francisco, CA

Senior ML Engineer / Tech Lead *2019 – 2023*

- Founding engineer, Reply Feed Ranking. Built deep learning models, shipped graph/text embeddings (BERT, HIN), and architected a 10M+ QPS early ranking system. Drove 30%+ engagement gains.

Amazon
Seattle, WA

Software Engineer, Machine Learning *2018 – 2019*

- Built ML-powered eligibility prediction for Amazon Global. Assisted in Amazon's ML University teaching program.

Education

University of California, San Diego
La Jolla, CA

Master of Science - Computer Science (Artificial Intelligence specialization), GPA: 3.93/4.0

Thapar University
India

Bachelor of Technology - Computer Engineering, GPA: 9.88/10.0, Rank 1, Gold Medalist.

Selected Research Publications

1200+ citations on Google Scholar. Research featured in TechCrunch, Gizmodo, NBC, and Times of India (∼148M monthly readership).

- **Keeping it Low-Key: Modern-day approaches to Privacy-Preserving Machine Learning**: Book Chapter by Jigyasa Grover* and Rishabh Misra*, published in Springer book "Data Protection in a Post-Pandemic Society - Law Regulations, Best Practices and Recent Solutions", ISBN 978-3-031-34006-2. Jul. 2023. *equal contribution
- **Sarcasm Detection using News Headlines Dataset**: Rishabh Misra, Prahal Arora, in Proceedings of journal AI Open, Volume 4, 2023, ISSN 2666-6510, https://doi.org/10.1016/j.aiopen.2023.01.001, Feb. 2023.
- **Do not fake it till you make it! - Synopsis of trending fake news detection methodologies**: Book Chapter by Rishabh Misra and Jigyasa Grover, published in book "Deep Learning for Social Media Data Analytics" of Springer book series "Studies in Big Data", ISBN: 978-3-031-10868-6 Sep. 2022.
- **Addressing Marketing Bias in Product Recommendations**: Mengting Wan, Jianmo Ni, Rishabh Misra, Julian McAuley, in Proceedings of 2020 ACM Conference on Web Search and Data Mining (WSDM'20), Houston, TX, USA, Feb. 2020.
- **Fine-Grained Spoiler Detection from Large-Scale Review Corpora**: Mengting Wan, Rishabh Misra, Ndapa Nakashole, Julian McAuley, in Proceedings of 57th Association for Computational Linguistics 2019 (ACL'19), Florence, Italy, Jul. 2019.
- **Decomposing Fit Semantics for Product Size Recommendation in Metric Spaces**: Rishabh Misra, Mengting Wan, Julian McAuley, in Proceedings of 2018 ACM Conference on Recommender Systems (RecSys'18), Vancouver, Canada, Oct. 2018.
- **Scalable Variational Bayesian Factorization Machine**: Avijit Saha, Rishabh Misra, Ayan Acharya, and Balaraman Ravindran, preprint 2017.
- **Scalable Bayesian Matrix Factorization**: Avijit Saha*, Rishabh Misra*, Balaraman Ravindran, In Proceedings of 6th International Workshop on Mining Ubiquitous and Social Environments (MUSE), co-located with the ECML PKDD 2015. *equal contribution