Contact Information

Umang Sharan
San Francisco Bay Area, CA
https://www.umangsh.com

+1 765 337 7319
personal@umangsh.com
https://www.github.com/umangsh

Professional Experience

Glean, Palo Alto, CA

Lead infrastructure development for Retrieval-Augmented Generation (RAG) system ((https://www.glean.com/blog/retrieval-augmented-generation-rag-the-key-to-enabling-generative-ai-for-the-enterprise)) that powers Glean's Work AI platform. Designed and implemented large-scale retrieval pipelines (hybrid search), and automated chunking pipelines that handle large, diverse document sets for faster indexing and retrieval at scale. Expertise in optimizing inference latency, and reducing cloud expenditures while maintaining retrieval accuracy. Experience leading cross-functional teams, setting technical roadmaps, and mentoring mid-level and junior engineers in AI/ML best practices.

Reader Revenue Manager by Google, San Francisco, CA

Tech Lead Manager (TLM) for Reader Revenue Manager (https://readerrevenue.withgoogle.com/). Managed the backend storage, serving, and AI-powered recommendation systems that optimize subscriber engagement. Led a team responsible for high-scale infrastructure supporting millions of transactions daily.

Hire by Google, San Francisco, CA

TLM for Hire by Google (https://hire.google.com). Managed the backend engineering team to deliver AI-driven recruiting and ATS solutions for enterprise hiring. Designed scalable infrastructure and business application logic to enhance recruiter workflows.

YouTube Music, San Bruno, CA

TLM for YouTube Music (https://music.youtube.com/). Architected and build YouTube Music's core data storage and serving system, integration music knowledge across YouTube, Google Search and Google Play Music. Led reconciliation of disparate music metadata sources (Freebase, AMG, DDEX) resolving schema inconsistencies across music graphs with billions of nodes and edges.

Education

Purdue University, West Lafayette
MS in Computer Science.
Thesis: *A Framework for exploiting Temporal Variations in Relational Domains.*

Indian Institute of Technology (IIT), Delhi
Bachelors of Technology (B.Tech.) in Computer Science and Engineering.
Thesis: *Parallel Algorithms for the Positive Linear Programming Problem.*

Publications Patents

Creator tool for structuring episodic content using linked playlists.
Umang Sharan and Raunaq Shah.

Temporal Relational Classifiers for Prediction in Evolving Domains.
Umang Sharan and Jennifer Neville.

Analyzing Video Services in Web 2.0: A Global Perspective.
Mohit Saxena, **Umang Sharan** and Sonia Fahmy.

Full list: https://www.umangsh.com/publications
Citations: https://scholar.google.com/citations?user=NT2rrj4AAAAJ