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

Subscribe with Google, San Francisco, CA

Tech Lead Manager (TLM) in the Subscribe with Google (SwG) engineering team. Our goal is to help publishers drive conversions and engage existing subscribers across Google and the web. My team is responsible for backend storage and serving systems, logging and AI powered recommendation systems that power SwG (https://developers.google.com/news/subscribe).

Hire by Google, San Francisco, CA

TLM for the Hire Backend Engineering team. Our mission is to develop user-centric, AI-based business applications. Our first application is Hire, a recruiting app to help companies hire faster. My team was responsible for the backend infrastructure, business logic and application systems that power the Hire app, and allow our users to streamline their hiring processes.

YouTube Application Infrastructure, San Bruno, CA

TLM for the YouTube video data application infrastructure and YouTube Music data teams. I designed and built the system that stored and served all music data in the YouTube and YouTube Music apps - artists, albums, songs, genres, etc. This is a challenging problem due to the absence of any canonical music schema, and data has to be reconciled from different sources (freebase, AMG, DDEX). In addition to various YouTube apps, the system also powers music knowledge panels (KPs) in Google search and catalogs in Google Play Music (GPM).

YouTube Music, San Bruno, CA

Engineer on the YouTube Music team. I designed and shipped the frontend and backend systems for YouTube Music Discovery engine (Disco) (https://techcrunch.com/2010/01/20/youtube-disco-music-discovery-project/), and the publishing and syndication system for YouTube music charts on Billboard (https://www.billboard.com/articles/business/1549766/billboard-charts-add-youtube-views). My noogler project was adding support for depth-tagging videos in YouTube (http://youtube-global.blogspot.com/2009/02/underwater-geo-tag-for-your-videos.html).

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 (Defensive Patent Publication).
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