

SITARAM IYER

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Employment History

06/2014 - 03/2023 **Distinguished Engineer**

Google - Social Impact, Mountain View, CA

I spent the last decade at Google passionately pursuing different missions to help underprivileged and marginalized groups through job search, education, financial wellness, and social justice. My role was primarily navigating stakeholders, policy and legal challenges, and external partners, in order to create space for the engineers and product managers, managing small teams (2 to 5 directs, teams of 5 to 15).

- Big Moments (2020-2022): queries like [[ukraine war](#)] and [[oscars](#)], and other sensitive and/or popular moments such as natural disasters, protests, celebrity deaths, mass shootings, coups, trials, sporting events, etc., that dominate the news cycle globally.
 - Automatic moment identification with Search features like 'lives affected' from Reuters, Getty Images, In-depth news, Key people, Nominees, Podcasts, and How to help.
- Financial Wellness (2020): queries like [[payday loans](#)] (attempted) and [[unemployment](#)] (advised)
 - Google blog post from [Oct 2021](#)
- College Search (2017-19): queries like [[ucsc](#)] and [[art schools near me](#)]
 - Google blog posts from [June 2018](#) and [August 2019](#)
- Job Search (2015-17): queries like [[jobs near me](#)] and [[entry level jobs in finance](#)]
 - Google blog posts from [June 2017](#) and [Nov 2017](#) (with salaries, remote jobs)

08/2003 - 06/2014 **Member of Technical Staff (L4) to Distinguished En**

Google, Mountain View, CA

In the decade before that, I worked on Search infrastructure projects at Google, like web and knowledge graph indexing, leaning on my systems background relevant to raw systems before the advent of Cloud and AI technologies. I was promoted 5 times during this decade.

Projects:

- Foundation (2014-15)
 - Attempt to unify structured/unstructured, private/public, crawl/indexing/serving systems
- Livegraph (2012-13)
 - Incremental composition of the Knowledge Graph
- Alexandria (aka Caffeine) (2007-13)
 - Incremental indexing system scaled to 1T web pages, averaging 1 min latency
 - Google blog post from [June 2010](#)
- Indexing pipeline (2005-2010)
 - Batch indexing pipeline that scaled to 200B web pages with 36 hour latency
- Index scaling (2003-2005)
 - Launched 8B web page index over 3 weeks on the eve of Microsoft's 5B index

Education History

Computer Science

Doctorate Degree

Rice University, Houston, TX

Computer Science

Master's Degree

Rice University, Houston, TX

Computer Science

Bachelor's Degree

Indian Institute of Technology, Bombay, India

Occupational Licenses, Certificates and Training**Detailed References**