

HARISH VENKATARAMANI

<https://www.harishv.com> ♦ harishv@harishv.com

SKILLS

Proficient in Java, JavaScript, HTML, CSS. Worked with C/C++, Python, Artificial Intelligence/Machine Learning, Map Reduce, NoSQL, MySQL.

WORK EXPERIENCE

Google Search Ads, Mountain View, CA

Jan'20 - Present

Technical Lead and Manager of Vertical Ads (Part of Search Ads UI)

- Leading efforts to build new ads user experience for various search verticals.
- Held regular one-on-one meetings with my team to help them with technical design, removing roadblocks, and growing their career.

Google Datally Backend, Mountain View, CA

July'15 - Jan'20

Technical Lead and Manager

- Used machine learning to find millions of places with public wifi all over the world.
- Integrated with carriers to get users data balance as well as reload data for installing and using sponsored apps.
- Started a new project to help app developers incentivize key actions, which grew to include over 20 engineers.

QScreening, Hyderabad, India

Nov'13 - July'15

Co-founder

Boot Camp Training to become a Full Stack Web Developer

- Created a 2-3 month intensive project based training program to improve the employability of recent graduates.
- Mentored students to build web applications using HTML, CSS, JS and a server side language.
- Helped students be better prepared for interviews by improving their communication, aptitude and reasoning skills.

Automated Screening Tool for Employers

- Built tools to help employers quickly screen hundreds of candidates using assessment tests.
- Wrote tests to check for basic knowledge of software engineering skills.

Google Travel, Mountain View, CA

Nov'10 - Feb'13

Staff Software Engineer

- Launched hotel price ads on [Google Search](#) and on [Google+ Local](#).
- Users can now see prices of hotels as well as book them while searching for hotels on Google.

Google Plus Frontend, Mountain View, CA

May'10 - Nov'10

Staff Software Engineer

- Helped build the initial frontend infrastructure for Google+ with an eye for low latency.
- Worked on server side rendering of the initial view, navigation and splitting the JavaScript into multiple lazily-loaded JavaScript modules.

Google Calendar Frontend, Mountain View, CA

Mar'08 - Mar'10

Technical Lead and Manager

- Reduced initial login latency by more than 30%.
- Launched a read-only offline version of calendar using Google Gears.
- Many new features like tasks integration, BiDi support.
- Redesign of the calendar UI for better usability and maintainability.

Google Calendar API, Mountain View, CA

'07 - Mar'10

Technical Lead

- Led the team that developed and maintained the calendar GData and CalDAV APIs.
- Was consultant for many teams using the calendar APIs including Android sync, Active sync and Outlook sync.
- Worked with other companies and standards committee on improving the CalDAV API.
- Worked with Apple to ensure Google Calendar's CalDAV API works on iOS and Mac.

Google Calendar Backend, Mountain View, CA

Jun'05 - Mar'08

Software Engineer

- Integrated Google Calendar into Gmail. Automatically updated calendar on receiving email invitations in Gmail from Outlook and other calendaring systems. Made Gmail along with calendar iMip compliant (RFC 2447).
- Added the ability for users to respond to email invites within Gmail as well as create events.
- Added support for non-google calendar users.
- Support for various features like groups integration, public event search, quick add.
- Handled most of the operations duties right after our public launch including debugging production issues, scaling up to handle more users and creating a release process.
- Awarded a bonus for fixing a network code red caused by a bug in the RPC sub-system which resulted in millions of UDP packets being sent per second.

University of Massachusetts, Amherst

Sep'03 - May'05

Research and Teaching Assistant

- Designed provably optimal offline and online algorithms for bandwidth arbitration to minimize cost among multiple network providers for multi-homed systems and content distribution networks.

Microsoft Windows Sustained Engineering, Redmond, WA

Jun'04 - Aug'04

Software Engineering Intern

- Developed automated regression testing tools for the packaging process used in creating Windows patches.

Georgia Institute of Technology, Atlanta

May'02 - Jul'02

Summer Research Intern

- Devised an algorithm for producing a schedule with minimum average execution time for an EPIC processor with infinite functional units.

EDUCATION

University of Massachusetts, Amherst

Sep'03 - May'05

M.S. in Computer Science

Indian Institute of Technology (IIT), Kharagpur

Jul'99 - May'03

B. Tech. in Computer Science and Engineering

PUBLICATIONS

- Glenn Alan Carroll, Carl Philip Sjogreen, David Marmaros and Harish Venkataramani awarded patent for [Method, System, Graphical User Interface, and Data Structure for Creating Electronic Calendar Entries from Email Messages](#).
- Micah Adler, Ramesh Sitaraman, Harish Venkataramani, *Algorithms for Optimizing Bandwidth Costs on the Internet*, First IEEE Workshop on Hot Topics in Web Systems and Technologies, Boston, Massachusetts, USA. Nov. 13-14, 2006.
- Pradipta Ranjan Ray, Harish V , Sudeshna Sarkar and Anupam Basu, *Part of Speech Tagging and Local Word Grouping Techniques for Natural Language Processing in Hindi*, International Conference on Natural Language Processing'03, Mysore Dec. 19-21, 2003.