

Narender Gupta

655 S Fair Oaks Ave, Apt B104, Sunnyvale, CA 94086, USA
narendergupta@google.com • +1 (217) 898-6096 • <http://narendergupta.github.io/>

PROFESSIONAL AFFILIATIONS

FULL-TIME

- 1) **Google Inc.**, Software Engineer Jun 2016 – Present
 - Worked as part of planning and design team for Google Fiber which creates network design and conducts cost and scheduling analysis.
 - Worked on cost analysis of network design so that it can be used by business as well as design process to create cheaper and efficient networks.
- 2) **Adobe Systems**, Senior Software Developer Nov 2012 – Jul 2014
 - Worked on Adobe Acrobat Reader DC. It included embedding browser framework into desktop application to bring web-like rich user interface, managing different tasks in different processes, and inter-process communication.
 - Developed a web application for Salesforce app store which interacted with Adobe PDF web service APIs to create and export PDFs to other document types.
 - Worked on web PDF form filling application using image renditions and server side PDF processing.
 - Prototyped voice-navigated web-app architecture on the top of existing suit of acrobat.com apps.
- 3) **Amazon Development Center**, Software Developer Jul 2011 – Oct 2012
 - Worked on vendor facing web application portal to design and implement front-end features.
 - Developed web service APIs to perform business logic on the server end. Also worked on integrating front end features with these web services using Amazon's Service Oriented Architecture.
 - Implemented web application on the existing suite of internal applications for analysts to collate data from multiple web services and enable them to track payments made to vendors across different systems.

INTERNSHIPS

- 1) **Google Inc.**, Engineering Intern Dec 2010 – Feb 2011
 - Worked as software engineering intern in Gmail load and performance testing team.
 - Developed a latency debugger for Gmail backend which parsed the server logs, analyzed them based on the runtime information attached at multiple levels.
 - Researched and worked on Java memory leak debugger for Gmail. It included study of Java garbage collection mechanisms and coming up with the required algorithm, along with implementation.

EDUCATION

University of Illinois at Urbana-Champaign (UIUC), Illinois, USA

- Master of Science (M.S.) in Computer Science Aug 2014 – Aug 2016
- Advisor: Professor Dan Roth
 - Research areas: Machine Learning, Natural Language Processing, Information Networks.
 - Research Assistant in Cognitive Computation Lab
 - GPA: 3.79/4.00

National Institute of Technology Kurukshetra (NITK), Haryana, India

- Bachelor of Technology (B.Tech.) in Computer Engineering Jul 2007 – May 2011
- Cumulative GPA: 9.12 / 10.00

PUBLICATIONS

- 1) **Narender Gupta**, Aman Sawhney, and Dan Roth, "Will I Get In? Modeling the Graduate Admission Process for American Universities" in *16th IEEE International Conference on Data Mining Workshops*, Barcelona, Spain Dec 2016
- 2) **Narender Gupta**, "American Graduate Admissions: Both Sides of the Table" in *University of Illinois at Urbana-Champaign* Aug 2016

PATENTS

- 1) Yash Kumar Gupta and **Narender Gupta**, "Method and apparatus for preserving fidelity of bounded rich text appearance by maintaining reflow when converting between interactive and flat documents across different environments," Jan 2017

BOOKS

- 1) **Narender Gupta**, Pradeep Bhatt, Sanjay Adhikari, Mohit Malhan, and Vinay Sehra, "A Good Night's Read" with *Serene Woods Publishing House* Sep 2009

RESEARCH POSTERS	<ol style="list-style-type: none"> 1) Narender Gupta and Aman Sawhney, “Back To Grad: Modeling American Graduate Admission Process using Machine Learning,” in <i>10th UIUC CSL Student Conference</i>, Urbana, Illinois, Feb 2015 2) Narender Gupta and Aman Sawhney, “Back To Grad: Modeling American Graduate Admission Process using Machine Learning,” in <i>UNM Data 2 Knowledge Day</i>, Albuquerque, New Mexico, Feb 2015 						
ACADEMIC PROJECTS	<ol style="list-style-type: none"> 1) Narender Gupta, Chinmay Kulkarni, and Aditya Rastogi, “PastFinder: Finding Author History Using Dynamic Collaboration Graph” 2) Narender Gupta, Chinmay Kulkarni, and Chaitanya Datye, “EQUALGAS: Efficient Query Approximation on Large Graphs using Attribute-based Summaries” 3) Narender Gupta and Pavankumar Reddy M, “From Natural Language to Formal Representation” 						
HONORS & AWARDS	<ol style="list-style-type: none"> 1) Xander Masotto, Narender Gupta, and Aliya Burkit “Autonomous Algorithm for Determining a Safe Landing Site on a Planetary Surface,” in <i>UIUC NASA Jet Propulsion Laboratory (JPL) Team Space Design Competition</i>, Second Prize Apr 2015 2) <i>Prime Minister Merit Scholarship</i>, India [<i>Annually</i>] 2007 – 2011 3) <i>Education Scholarship Scheme for Army Personnel (ESSA)</i>, India [<i>Annually</i>] 2000 – 2007 						
ACADEMIC AFFILIATIONS	<ol style="list-style-type: none"> 1) Research Assistant, Cognitive Computation Group, UIUC May 2015 – May 2016 • Currently working with Graduate Admissions Committee members to automate admission process. 2) Teaching Assistant, Department of Computer Science, UIUC Aug 2014 – May 2015 • Instructed CS125, <i>Introduction to Computer Science</i> during Fall '14 and Spring '15. • Conducted discussion sections as well as independent seminar, <i>Debug Your Brain</i>, during Fall '14. 3) Student Representative, Placement Advisory Committee, NITK Jun 2010 – May 2011 • Planned and oversaw schedule and operations for company visits for jobs throughout senior year. 						
SKILLS	<table> <tr> <td>Areas of Interest</td><td>Machine Learning, Natural Language Processing, Data Mining, Social & Information Networks, Computer Vision</td></tr> <tr> <td>Programming Languages</td><td>Python, Java, C++, C, SQL, HTML, JavaScript</td></tr> <tr> <td>Statistical Packages</td><td>Matlab, Scikit-Learn, Weka</td></tr> </table>	Areas of Interest	Machine Learning, Natural Language Processing, Data Mining, Social & Information Networks, Computer Vision	Programming Languages	Python, Java, C++, C, SQL, HTML, JavaScript	Statistical Packages	Matlab, Scikit-Learn, Weka
Areas of Interest	Machine Learning, Natural Language Processing, Data Mining, Social & Information Networks, Computer Vision						
Programming Languages	Python, Java, C++, C, SQL, HTML, JavaScript						
Statistical Packages	Matlab, Scikit-Learn, Weka						
EXTRA-CURRICULAR	<ol style="list-style-type: none"> 1) Volunteered as <i>CS Grad Ambassador</i> for incoming graduate students at UIUC. 2015 – 2016 2) Volunteer at <i>Navjyoti India Foundation</i> for education of underprivileged children. 2013 3) Volunteered for university chapter of <i>National Service Scheme</i> at NITK. 2009 – 2011 4) Executive member of <i>NITK Hindi Literature & Debate Club</i>. 2009 – 2011 5) Organized annual literary festival <i>Utkarsh</i> as member of Hindi society <i>Anamika</i>. 2009 – 2011 6) Inter-District Poetry Recital Competition, Third Prize, Kurukshetra, Haryana Mar 2010 7) Inter-College Declamation Competition, First Prize, NIT Kurukshetra, Haryana Oct 2009 8) Inter-College Debate Competition, First Prize, NIT Kurukshetra, Haryana Mar 2009 						
OTHER DETAILS	<ul style="list-style-type: none"> • Languages: English [Fluent: Speaking, Reading, Writing], Hindi [Native] • Nationality: Indian 						

[CV compiled on 2017-02-19]