

Manasvini Sethuraman *Dec 10, 1992*

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Objective

To obtain an internship in Software Engineering for summer 2020

Education

Georgia Institute of Technology	ATLANTA, GA
PhD in Computer Science	19 Aug '19 – present
Georgia Institute of Technology	ATLANTA, GA
M.S. in Computer Science (Machine Learning track)	18 Aug '14 – 06 May '16
GPA: 3.78/4	
Anna University	CHENNAI, INDIA
B.E. in Computer Science and Engineering	02 Aug '10 – 27 May '14
GPA: 8.91/10	

Experience

Software Developer at Bloomberg LP	BLOOMBERG LP
731 Lexington Ave, New York, NY 10022	20 June '16 – 19 June '19
<ul style="list-style-type: none">Built a new pipeline to ingest company filings in to <i>Apache Solr</i>Migrated existing filings in several local <i>Oracle</i> databases to a master slave configuration in <i>PostgreSQL</i>Built a system for privileging users to research content based on their entitlementsBuilt a pub/sub system to ensure cache coherence across machines when a user's entitlements are updatedBuilt the infrastructure for discovering trending searches by analyzing usage data from <i>Apache Solr</i>	
Technical Intern at Yahoo Inc.	YAHOO INC
701, 1st Ave Sunnyvale, CA 94089	26 May '15 – 14 Aug '15
<ul style="list-style-type: none">Worked on load testing and performance measurement of Ads API's using <i>Gatling</i>Constructed a pipeline to log and visualize the performance of Ads UI using <i>Splunk dashboards</i>	
Research Intern	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
Unichord-Free Graphs	Jun '13
<ul style="list-style-type: none">Developed algorithms for identification of Unichord Free Graphs and colorability for the same	
Graduate Teaching Assistant	GEORGIA TECH
<ul style="list-style-type: none">Computability and Algorithms (Fall 2015)Machine Learning (Spring 2016)	

Coursework

• Algorithms • Operating Systems • Machine Learning • Natural Language • Big Data • Text Mining • Data and Visual Analytics

Skills

• **Programming** C++, Python • **Search** Apache Solr • **Statistical Tools** Pandas, NumPy, scikit-learn • **Database** PostgreSQL

Projects

Fog Computing in Resource Constrained Environments

- Studying the availability of access to internet in Atlanta's impoverished Westside neighborhoods
- Propose low cost, sustainable geo-distributed fog computing based solutions to access content on the internet

Masters Project on Social Network Analysis

- Studied the diffusion of influence in social networks using probabilistic models with *MapReduce* and *Giraph*
 - Developed distributed algorithms for computing influence by leveraging the sparsity of social network graphs
 - Surveyed the use of social influence data in recommendation systems
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Achievements

- Merit Scholarship 2011-2014 for outstanding academic performance
 - Yahoo! Hackday winner for building an Android application for to display information about cities appearing in email text
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