Manasvini Sethuraman *Dec 10, 1992*

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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*

- Built a new pipeline to ingest company filings in to *Apache Solr*
- Migrated existing filings in several local *Oracle* databases to a master slave configuration in *PostgreSQL*
- Built a system for privileging users to research content based on their entitlements
- Built a pub/sub system to ensure cache coherence across machines when a user's entitlements are updated
- Built the infrastructure for discovering trending searches by analyzing usage data from *Apache Solr*

Technical Intern at Yahoo Inc. — YAHOO INC
701, 1st Ave Sunnyvale, CA 94089 — *26 May '15 – 14 Aug '15*

- Worked on load testing and performance measurement of Ads API's using *Gatling*
- Constructed a pipeline to log and visualize the performance of Ads UI using *Splunk dashboards*

Research Intern — INDIAN INSTITUTE OF INFORMATION TECHNOLOGY
Unichord-Free Graphs — *Jun '13*

- Developed algorithms for identification of Unichord Free Graphs and colorability for the same

Graduate Teaching Assistant — GEORGIA TECH

- Computability and Algorithms (Fall 2015)
- Machine Learning (Spring 2016)
- Advanced Operating Systems(Spring 2020)

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

Indigenous Communities on Wikipedia

- Analyzing the quality of content about indgigenous communities in the USA on Wikipedia
- Comparing Wikipedia pages on places with native american majorities against pages about rural and urban areas
- Using *Wikimedia API* to crawl for content, and analyzing features such as bot generated content with *Python*

Acheievements

- 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