Manasvini Sethuraman *Dec 10, 1992*

914 Collier Road NW Apt 2208 Atlanta GA 30318 • +1.4047518243 • manasvini.s10@gmail.com
http://www.github.com/Manasvini • www.linkedin.com/in/manasvinisethuraman

Education

Georgia Institute of Technology	ATLANTA, GA
Ph.D in Computer Science	*19 Aug '19 – present*

Georgia Institute of Technology	ATLANTA, GA
M.S. in Computer Science	*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	

Projects

Edge Caching to Improve Video Streaming While on the Move

- Measuring quality of video streaming on LTE networks taking mobility into account for 4G/5G networks
- Building a system to aid in video streaming by caching popular segments on edge nodes close to the user's travel path

Approaches to Understanding Indigenous Content Production on Wikipedia [ACM COMPASS '20]

- Analyzed the quality of content about indigenous communities in the USA on Wikipedia
- Compared 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*

Fog Computing in Resource Constrained Environments

- Studying the availability of Internet access in Atlanta's Westside neighborhoods
- Speaking to members of the community in order to understand access patterns and internet usage

Pub/Sub Frameworks for Vehicular Augmented Reality

- Explored the suitability of Apache Pulsar And Apache Kafka for object detection workloads requiring low latency and frequent subscription changes

Experience

Software Engineering Intern at Bloomberg LP	BLOOMBERG LP
731 Lexington Ave, New York, NY 10022	*1 June '20 – 14 Aug '20*

- Designing a library to compare data from four Mutual Fund Holdings databases and publish results

Software Developer at Bloomberg LP	BLOOMBERG LP
731 Lexington Ave, New York, NY 10022	*20 June '16 – 19 June '19*

- 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

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
• Computability and Algorithms • Advanced Operating Systems • Machine Learning • Distrbuted Computing • Data and Visual Analytics

---

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

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

---