

EDUCATION

Georgia Institute of Technology Ph.D. in Computer Science	Atlanta, GA 2019–Current
Georgia Institute of Technology M.S. Computer Science, GPA: 3.83/4.00	Atlanta, GA 2014–2016
Anna University B.E. Computer Science and Engineering, GPA: 8.91/10	Chennai, India 2010–2014

EXPERIENCE

Bloomberg LP Software Engineering Intern	New York, NY 2020,2021
<ul style="list-style-type: none">– Designed a library to compare data from four Mutual Fund Holdings databases and publish results.– Worked on financial named entity recognition for equities research.	
Bloomberg LP Software Developer	New York NY 2016–2019
<ul style="list-style-type: none">– Migrated existing company filings in several local <i>Oracle</i> databases to a single cluster configuration in <i>PostgreSQL</i>.– 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.	
Yahoo! Inc. Technical Intern	Sunnyvale, CA Summer 2015
<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>.	

PUBLICATIONS

- [1] A. Sarma, **M. Sethuraman**, B. Adwait, A. Dhekne, and U. Ramachandran, “ClairvoyantEdge: Prescient Prefetching of On-demand Video at the Edge of the Network (To appear)”, Seattle, Washington: Association for Computing Machinery, 2022.
- [2] **M. Sethuraman**, Z. S. Bischof, and A. Dainotti, “Analysis of IPv4 Address Space Utilization with ANT ISI dataset and Censys”, Nice, France: Association for Computing Machinery, 2022, ISBN: 978-1-4503-9259-4/22/10.

- [3] **M. Sethuraman**, A. Sarma, A. Dhekne, and U. Ramachandran, “Foresight: Planning for Spatial and Temporal Variations in Bandwidth for Streaming Services on Mobile Devices”, in *12th ACM Multimedia Systems Conference (MMSys '21), September 28-October 1, 2021, Istanbul, Turkey*, Sep. 2021, ISBN: 978-1-4503-8434-6/21/09.
- [4] **M. Sethuraman**, R. E. Grinter, and E. Zegura, “Approaches to Understanding Indigenous Content Production on Wikipedia”, in *3rd ACM SIGCAS Conference on Computing and Sustainable Societies (COMPASS 20), June 15-June 17, Ecuador*, Ecuador: Association for Computing Machinery, 2020, pp. 327–328, ISBN: 9781450371292.

TEACHING

- **Teaching Assistant** at Georgia Tech Fall '22, Spring, Fall '20
Advanced Operating Systems (CS6210)
- **Teaching Assistant** at Georgia Tech Spring 2016
Machine Learning (CS7641/CS4641)
- **Teaching Assistant** at Georgia Tech Fall 2015
Computability and Algorithms (CS6505)

SKILLS

- **Programming Languages:** C++, Python, Go
- **Databases/NoSQL:** PostGRES, Redis
- **Tools/Libraries** GTest, Pandas, NS-3