Rajath Shashidhara

rajaths@cs.washington.edu
https://homes.cs.washington.edu/~rajaths

Education

Paul G. Allen School of Computer Science, University of Washington — Seattle, USA
Ph.D. in Computer Science and Engineering — 2022 - 2025 *(expected)*
- Advisor: Simon Peter

The University of Texas at Austin — Austin, USA
M.S. in Computer Science — 2019 - 2022

Birla Institute of Technology and Science — Pilani, India
M.Sc. in Physics, B.E. in Computer Science — 2012 - 2017

Publications

1. **Rajath Shashidhara**, Simon Peter, Scott Hare, Kimberly Keeton. Closing the Benchmark Gap for Tiered Memory. *3rd Workshop on Disruptive Memory Systems (DIMES)*, 2025.
2. Anil Yelam, Kan Wu, Zhiyuan Guo, Suli Yang, **Rajath Shashidhara**, Wei Xu, Stanko Novakovic, Alex C. Snoeren, Kimberly Keeton. PageFlex: Flexible and Efficient User-space Delegation of Linux Paging Policies with eBPF. *USENIX Annual Technical Conference (ATC)*, 2025.
3. **Rajath Shashidhara**, Timothy Stamler, Antoine Kaufmann, Simon Peter. FlexTOE: Flexible TCP Offload with Fine-Grained Parallelism. *USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, 2022.
4. Jitender Singh Shekhawat, Rishabh Agrawal, K Gautam Shenoy, **Rajath Shashidhara**. A Reinforcement Learning framework for QoS-driven radio resource scheduler. *IEEE Global Communications Conference (GLOBECOM)*, 2020.
5. Tridev Mishra, **Rajath Shashidhara**, Tapomoy Guha Sarkar and Jayendra N. Bandyopadhyay. Phase transition in an Aubry-Andre system with a rapidly oscillating magnetic field. *APS Physical Review A*, 2016.

Pre-prints

1. **Rajath Shashidhara**, Antoine Kaufmann, Simon Peter. Scaling Data Center TCP to Terabits with Laminar. *arXiv: 2504.19058*, 2025.

Experience

Student Researcher | **Google, Systems Research Group** — 2022 - 2025
Software Engineering Intern | **Confluent** — 2020
Senior Research Software Engineer | **Samsung Research** — 2017 - 2019
Software Engineering Intern | **Symantec** — 2017
Software Engineering Intern | **Microsoft R&D** — 2016
Visiting Researcher | **National Central University, Taiwan** — 2015
Intern | **Bhaskaracharya Institute of Space Applications & Geoinformatics** — 2014
Intern | **Google Summer of Code** — 2013

Invited Talks

FlexTOE: Flexible TCP Offload with Fine-Grained Parallelism: *Google Networking Research Summit* (2022), *VMware* (2022), *SmartNICs Summit* (2022), *Microsoft* (2023)

Towards Flexible and Efficient Data Center TCP Stacks: *Google, Systems Research Group* (2025)

Awards

- **Annual Excellence Awards**, Samsung Research — 2017-2019
- **Best Student of Batch 2017**, Birla Institute of Technology and Science — 2017
- **MCN Scholarship**, Birla Institute of Technology and Science — 2012-2017

Service

Reviewer: *IEEE Transactions on Computers*
Artifact Evaluation Committee: *OSDI (2022)*, *ATC (2022)*
Shadow Program Committee: *Eurosys (2022)*
Graduate Admissions Reader: *University of Washington (2023)*