

# RAJATH SHASHIDHARA

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EDUCATION	<b>Paul G. Allen School of Computer Science, University of Washington</b> <i>Ph.D. in Computer Science and Engineering</i>	Seattle, USA 2022 - 2025
	<b>The University of Texas at Austin</b> <i>M.S. in Computer Science</i>	Austin, USA 2019 - 2022
	<b>Birla Institute of Technology and Science</b> <i>M.Sc. in Physics, B.E. in Computer Science</i>	Pilani, India 2012 - 2017
EXPERIENCE	<b>Senior Systems Research Engineer   Google, Systems Research Group</b>	2025 - Current
	<b>Student Researcher   Google, Systems Research Group</b>	2022 - 2025
	<b>Software Engineering Intern   Confluent</b>	2020
	<b>Senior Research Software Engineer   Samsung Research</b>	2017 - 2019
	<b>Software Engineering Intern   Symantec</b>	2017
	<b>Software Engineering Intern   Microsoft R&amp;D</b>	2016
	<b>Visiting Researcher   National Central University, Taiwan</b>	2015
PUBLICATIONS	<b>Intern   Bhaskaracharya Institute of Space Applications &amp; Geoinformatics</b>	2014
	<b>Intern   Google Summer of Code</b>	2013
<ol style="list-style-type: none"><li>1. <b>Rajath Shashidhara</b>, Simon Peter, Scott Hare, Kimberly Keeton. Closing the Benchmark Gap for Tiered Memory. <i>3rd Workshop on Disruptive Memory Systems (DIMES)</i>, 2025.</li><li>2. Anil Yelam, Kan Wu, Zhiyuan Guo, Suli Yang, <b>Rajath Shashidhara</b>, Wei Xu, Stanko Novakovic, Alex C. Snoeren, Kimberly Keeton. PageFlex: Flexible and Efficient User-space Delegation of Linux Paging Policies with eBPF. <i>USENIX Annual Technical Conference (ATC)</i>, 2025.</li><li>3. <b>Rajath Shashidhara</b>, Timothy Stamler, Antoine Kaufmann, Simon Peter. FlexTOE: Flexible TCP Offload with Fine-Grained Parallelism. <i>USENIX Symposium on Networked Systems Design and Implementation (NSDI)</i>, 2022.</li><li>4. Jitender Singh Shekhwat, Rishabh Agrawal, K Gautam Shenoy, <b>Rajath Shashidhara</b>. A Reinforcement Learning framework for QoS-driven radio resource scheduler. <i>IEEE Global Communications Conference (GLOBECOM)</i>, 2020.</li><li>5. Tridev Mishra, <b>Rajath Shashidhara</b>, Tapomoy Guha Sarkar and Jayendra N. Bandyopadhyay. Phase transition in an Aubry-Andre system with a rapidly oscillating magnetic field. <i>APS Physical Review A</i>, 2016.</li></ol>		
PRE-PRINTS	<ol style="list-style-type: none"><li>1. <b>Rajath Shashidhara</b>, Antoine Kaufmann, Simon Peter. Scaling Data Center TCP to Terabit with Laminar. <i>arXiv: 2504.19058</i>, 2025.</li></ol>	
INVITED TALKS	<b>FlexTOE: Flexible TCP Offload with Fine-Grained Parallelism: Google Networking Research Summit (2022), VMware (2022), SmartNICs Summit (2022), Microsoft (2023)</b>	
	<b>Towards Flexible and Efficient Data Center TCP Stacks: Google, Systems Research Group (2025)</b>	
AWARDS	<ul style="list-style-type: none"><li>• <b>Student Travel Grant</b>, Symposium on Operating Systems Principles (SOSP) 2025</li><li>• <b>Annual Excellence Awards</b>, Samsung Research 2017-2019</li><li>• <b>Best Student of Batch 2017</b>, Birla Institute of Technology and Science 2017</li><li>• <b>MCN Scholarship</b>, Birla Institute of Technology and Science 2012-2017</li></ul>	
SERVICE	<p><b>Reviewer:</b> <i>IEEE Transactions on Computers</i></p> <p><b>Artifact Evaluation Committee:</b> OSDI (2022), ATC (2022)</p> <p><b>Shadow Program Committee:</b> Eurosyst (2022)</p> <p><b>Graduate Admissions Reader:</b> <i>University of Washington</i> (2023)</p>	