

Divyanshu Saxena

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Education

The University of Texas at Austin | Ph.D., Computer Sciences | Advisor: [Prof. Aditya Akella](#) 2026 (Expected)
Indian Institute of Technology, Delhi | B.Tech, CSE 2020

Selected Publications ([All Publications](#))

Research Interests: Microservices and Cloud Deployments, ML for Systems

Selected Conference Publications

- [Canopy: Property-Driven Learning for Congestion Control](#). [EuroSys '26]
Chenxi Yang, [Divyanshu Saxena*](#), Rohit Dwivedula*, Kshiteej Mahajan, Swarat Chaudhuri, and Aditya Akella.
- [CONGO: Compressive Online Gradient Optimization](#). [ICLR '25]
Jeremy Carleton, Prathik Vijaykumar, [Divyanshu Saxena](#), Dheeraj Narasimha, Srinivas Shakkottai, and Aditya Akella.
- [Copper and Wire: Bridging Expressiveness and Performance for Service Mesh Policies](#). [ASPLOS '25]
[Divyanshu Saxena](#), William Zhang, Shankara Pailoor, Isil Dillig, and Aditya Akella.
Also appeared as a poster in NSDI'23.
- [Memory Deduplication for Serverless Computing with Medes](#). [EuroSys '22]
[Divyanshu Saxena](#), Tao Ji, Arjun Singhvi, Junaid Khalid, and Aditya Akella.
Also appeared as an invited paper in SIGOPS Operating Systems Review.

Selected Workshop Publications

- [A Joint Learning Approach to Hardware Caching and Prefetching](#). [MLForSys at NeurIPS '25]
Samuel Yuan, [Divyanshu Saxena](#), Jiayi Chen, Nihal Sharma, and Aditya Akella.
- [Man-Made Heuristics Are Dead. Long Live Code Generators!](#) [HotNets '25]
Rohit Dwivedula, [Divyanshu Saxena](#), Aditya Akella, Swarat Chaudhuri, and Daehyeok Kim.
- [How I learned to stop worrying and love learned OS policies](#). [HotOS '25]
[Divyanshu Saxena*](#), Jiayi Chen*, Sujay Yadalam, Yeonju Ro, Rohit Dwivedula, Aditya Akella, Christopher Rossbach, and Mike Swift.
- [On a Foundation Model for Operating Systems](#). [MLForSys at NeurIPS '23]
[Divyanshu Saxena](#), Nihal Sharma, Donghyun Kim, Rohit Dwivedula, Jiayi Chen, Chenxi Yang, Sriram Ravula, Zichao Hu, Aditya Akella, Sebastian Angel, Joydeep Biswas, Swarat Chaudhuri, Isil Dillig, Alex Dimakis, P. Brighten Godfrey, Daehyeok Kim, Chris Rossbach, and Gang Wang.

Industry Research Experience

M365 Research | Research Intern with *Systems Innovation Group* Summer 2025
Developed LLM agents for automated service migration and designed benchmarking methodologies.

Microsoft Research | Research Intern at *Networking Research Group* Summer 2022
Developed the transport for a userspace network stack for containerized cloud tenants.

Selected Achievements

- **Professional Development Award** at UT Austin for Summer 2023, Spring 2025.
- **Departmental Scholarship** of USD 3000 for the academic session 2020-21 at UW-Madison.
- **All India Rank 64** in Joint Entrance Exam (Advanced) among 1.5 million applicants.
- **All India Rank 61** in Kishore Vaigyanik Protasahan Yojana (KVPY) conducted by IISc Bangalore.
- Conferred a nine-year scholarship on qualifying **National Talent Search Examination** (2012), conducted by NCERT.

Service

Program Committee | SoCC 2025

Reviewer | Journal for Systems Research 2025, ML for Systems Workshop at NeurIPS 2025

Artifact Evaluation Committee | SOSP 2023, OSDI 2022, ATC 2022