Stanford



Swapnil Gandhi

Ph.D. Student in Computer Science, admitted Autumn 2022

Bio

BIO

My broad research interests include distributed systems and cloud computing – in particular, I am interested in the system-side problems associated with learning, deploying, and operationalizing machine learning models at scale.

Previously, I was a Research Fellow at Microsoft Research India and prior to that obtained my Masters (by Research) in Computer and Data Systems from the Indian Institute of Science (IISc).

LINKS

- Webpage: https://www.swapnilgandhi.com/
- Scholar: https://scholar.google.com/citations?user=rxQBKTUAAAAJ&hl=en
- Pronunciation: https://www.name-coach.com/gandhi

Publications

PUBLICATIONS

- **Sparse Checkpointing for Fast and Reliable MoE Training** *23rd USENIX Symposium on Networked Systems Design and Implementation (NSDI 26)*
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- **Sparse Checkpointing for Fast and Reliable MoE Training**
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- **Regulating Branch Parallelism in LLM Serving**
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- **ReCycle: Resilient Training of Large DNNs using Pipeline Adaptation** *ACM SIGOPS Symposium on Operating Systems Principles (SOSP)*
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  2024
- **Improving DNN Inference Throughput Using Practical, Per-Input Compute Adaptation** *ACM SIGOPS Symposium on Operating Systems Principles (SOSP)*

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- **P3: Distributed Deep Graph Learning at Scale**
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  2021 ; 15th USENIX Symposium on Operating Systems Design and Implementation (OSDI 21) 551-568

- **An Interval-centric Model for Distributed Computing over Temporal Graphs**
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