

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

- **ReCycle: Resilient Training of Large DNNs using Pipeline Adaptation** *ACM SIGOPS Symposium on Operating Systems Principles (SOSP)*
Gandhi, S., Zhao, M., Skiadopoulos, A., Kozyrakis, C.
2024
- **Improving DNN Inference Throughput Using Practical, Per-Input Compute Adaptation** *ACM SIGOPS Symposium on Operating Systems Principles (SOSP)*
Iyer, A., Guan, M., Dai, Y., Pan, R., Gandhi, S., Netravali, R.
2024
- **P3: Distributed Deep Graph Learning at Scale**
Gandhi, S., Iyer, A. P.
USENIX Association.
2021 ; 15th USENIX Symposium on Operating Systems Design and Implementation (OSDI 21) 551-568
- **An Interval-centric Model for Distributed Computing over Temporal Graphs**
Gandhi, S., Simmhan, Y., IEEE
IEEE COMPUTER SOC.2020: 1129-1140