

Ritvik Sharma

Ph.D. Student in Electrical Engineering, admitted Autumn 2021

Publications

PUBLICATIONS

- **Onyx: A 12-nm Programmable Accelerator for Dense and Sparse Applications** *IEEE JOURNAL OF SOLID-STATE CIRCUITS*
Koul, K., Hsu, O., Mei, Y., Ravipati, S., Strange, M., Melchert, J., Carsello, A., Kong, T., Chen, P., Ke, H., Zhang, K., Liu, Q., Nyengele, et al
2025
- **Optimizing Ancilla-Based Quantum Circuits with SPARE** *PROCEEDINGS OF THE ACM ON PROGRAMMING LANGUAGES-PACMPL*
Sharma, R., Achour, S.
2025; 9 (PLDI)
- **Compilation of Qubit Circuits to Optimized Qutrit Circuits**
Sharma, R., Achour, S.
ASSOC COMPUTING MACHINERY.2024
- **CODEBench: A Neural Architecture and Hardware Accelerator Co-Design Framework** *ACM TRANSACTIONS ON EMBEDDED COMPUTING SYSTEMS*
Tuli, S., Li, C., Sharma, R., Jha, N. K.
2023; 22 (3)