

Abhishek Vijaya Kumar

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EDUCATION

Cornell University **2021-Present**
Ph.D. in Computer Science CGPA 4.0/4.0

PES Institute of Technology (PESIT) **2014-2018**
B.E. in Information Science and Engineering CGPA 9.31/10.0
Department Rank 6 in a batch of 81

RESEARCH INTERESTS

Operating systems and resource disaggregation.

WORK EXPERIENCE

Research Fellow, Microsoft Research India *Jul'18 - Dec'20, Bengaluru*
Systems and networks group

Summer Intern, Microsoft Research India *Jun'17 - Jul'17, Bengaluru*
Worked on designing and building a compiler for dialog tree based chatbots.

Part-time Intern, Microsoft Research India *Sept'16 - Nov'16, Jan'17-Mar'17, Bengaluru*
Mobile, Networks and Systems group

Software development Intern, Intuit India *Jan'18 - Jun'18, Bengaluru*
Worked on backend and frontend of quickbooks online to complement UAE's tax scheme.

PUBLICATIONS

Quiver: Informed storage caching for deep learning training jobs

Abhishek Vijaya Kumar, Muthian Sivathanu

USENIX Conference on File and Storage Technologies (FAST) 2020

RESEARCH PROJECTS

Virtualizing disaggregated data centers

Advisor: [Prof. Rachit Agarwal](#), Cornell University

Jan'21-Present

Working on designing and building virtualization infrastructure that enables efficient usage of local memory, remote memory and network bandwidth in a disaggregated datacenter.

GRADUATE COURSES

Advanced Systems, Advanced Artificial intelligence

TEACHING EXPERIENCE

- TA, CS 4450 (Computer Networks), Spring 2021
- TA, CS 4410 (Operating Systems), Fall 2021

AWARDS AND SCHOLARSHIPS

- Awarded CNR Merit Scholarship from PESIT every year (amount equal to 15% of tuition fee is awarded to top 20% students).
- Awarded MRD Scholarship from PESIT during two semesters for being in top 5 ranks of the batch.