

Ammar Tahir

Curriculum Vitae

Coordinated Science Laboratory, UIUC
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Education

- 2020-2025 **PhD Computer Science**, *University of Illinois Urbana Champagne*.
Advisor: Radhika Mittal
- 2016-2020 **BS Computer Science**, *Lahore University of Management Sciences*, Pakistan.

Research/Industry Experience

- 2020 - Now **Reserach Assistant**, *UIUC*, Champaign, IL.
Advisor: Radhika Mittal
- Summer 2023 **Research Intern**, *Microsoft Research*, Redmond, WA.
Mentors: Prateesh Goyal & Ilias Marinos
- 2019 - 2020 **Developer Advocate**, *Educative Inc.*, Pakistan.
- 2019 - 2020 **Undergraduate Reserach Assistant**, *LUMS*, Pakistan.
Advisors: Zafar Ayyub Qazi & Ihsan Ayyub Qazi

Publications

- 2023 Enabling Users to Control their Internet
Ammar Tahir, Radhika Mittal
NSDI 2023
- 2023 Octopus: In-Network Content Adaptation to Control Congestion on 5G Links
Yongzhou Chen, **Ammar Tahir**, Francis Yan, Radhika Mittal
SEC 2023
- 2023 FedSS: Federated Learning with Smart Selection of Clients
Ammar Tahir*, Yongzhou Chen*, Prashanti Nilayam
FLSys@MLSys 2023
- 2022 Fast and efficient look-ups via data-driven FIB designs
Sachin Ashok*, Aditi Partap*, **Ammar Tahir***
FIRA@Sigcomm 2022
- 2020 Deconstructing Google's Web Light Service
Ammar Tahir, Tahir Munir, Shaiq Munir, Zafar Ayyub Qazi, Ihsan Ayyub Qazi
WWW 2020

Teaching Experience

- 2022 **Graduate Teaching Assistant**, *CS 425/ECE 428 (Distributed Systems)*, UIUC.
- 2020 **Head Teaching Assistant**, *CS 382 (Network Centric Computing)*, LUMS.
- 2018-2019 **Teaching Assistant**, *CS 334 (Data Science)*, *CS 202 (Data Structures)*, *CS 210 (Discrete Mathematics)*, LUMS.

Awards and Honors

- 2023 ACM Hotnets Travel Grant
- 2020 Graduation with Distinction – *LUMS*

- 2017–2020 Placed on Dean's Honor List – *LUMS*
- 2019 Winner SOFTEC Dynamic Programming competition, 1st/80+ teams
- 2018 Runners-up in CodinGuru IEEE LUMS, 2nd/50+ teams

Talks

- 2024 Scalable and Customizable Network Bandwidth Management at ISPs
LUMS, Lahore, Pakistan
- 2023 A Centrally Managed WiFi Mesh for Autonomous Farms (presented virtually)
Microsoft Research, Redmond, Washington
- 2023 Enabling Network Support for Autonomous Farms
Iowa State University, Ames, Iowa
- 2023 Enabling Users to Control their Internet
NSDI 2023, Boston, Massachusetts