

Akash Dhasade

Postdoc, CMU, USA

<https://akash-07.github.io/>

EDUCATION

Carnegie Mellon University (CMU)

May 2026 – Present

Postdoctoral Researcher

- Advisor: [Gauri Joshi](#)

École Polytechnique Fédérale de Lausanne (EPFL)

Feb 2021 – Apr 2026

PhD in Computer Science

- Advisor: [Anne-Marie Kermarrec](#)
- Thesis: Designing Practical Federated Learning Systems under Data Heterogeneity.

Indian Institute Of Technology Tirupati

Aug 2015 – Aug 2019

B. Tech in Computer Science And Engineering; CGPA 9.75/10.0

President's Gold Medal

- Advisor: [Rama Krishna Gorthi](#)
- Thesis: Design of Facial Recognition Framework for Classroom Attendance with Semi-supervised Data Labeling and Novel Deep Feature Classifier

EMPLOYMENT & INTERNSHIPS

Research Visitor

Jun 2024 – Nov 2024

Optimization, Probability and Learning Lab, CMU

Pittsburgh, USA

- Advisor: [Gauri Joshi](#)

Associate Software Engineer

Aug 2019 – Dec 2020

iManage

Bangalore, India

- Supervisors: [Manoj David](#), [Balamurugan Seenivasan](#)

Research Intern

May 2019 – July 2019

Very Large Scale Computing Lab, EPFL

Lausanne, Switzerland

- Advisor: [James Larus](#)

Research Intern

May 2019 – July 2018

TCS Innovation Labs

Chennai, India

- Advisor: [Mohan Raj VK](#)

AWARDS AND HONORS

- **Best Paper Award** at DAIS & **Overall Best Paper Award** at DisCoTec 2026
- **Gold Reviewer** at ICML (awarded to top 25%) 2026
- **Top Reviewer recognition** at NeurIPS (awarded to top 10%) 2024, 2025
- **Outstanding Performance Bonus** granted by HR at EPFL, after advisor's nomination 2025
- **Teaching Assistant Award** for excellence in teaching, EPFL 2023
- **President's Gold Medal** for best academic performance across all branches, IIT Tirupati 2019
- **Institute Gold Medal** for highest GPA in the Dept. Of Computer Science, IIT Tirupati 2019
- **Golden Certificate** for highest GPA in the Dept. of Computer Science (yearly) 2016, 2017, 2018

AWARDED FUNDING

- **SNSF Postdoc.Mobility Fellowship** to support postdoctoral research (\$141,000) 2025
- **EPFL Doc.Mobility Fellowship** to support research visit at CMU (\$23,000) 2024

SELECTED PUBLICATIONS

[Google Scholar](#) // [Orcid](#)

Conference Proceedings

Conference acronyms rated A*/A in the CORE Conference Rankings are shown **in bold**.

Author order is alphabetical unless contribution-based ordering applies.

- [1] **Akash Dhasade**, Sadegh Farhadkhani, Rachid Guerraoui, Nirupam Gupta, Maxime Jacovella, Anne-Marie Kermarrec, and Rafael Pinot. “Robust Federated Inference”. *International Conference on Learning Representations (ICLR)*, 2026.
- [2] **Akash Dhasade**, Rachid Guerraoui, Anne-Marie Kermarrec, Diana Petrescu, Rafael Pires, Mathis Randl, and Martijn de Vos. “Efficient Federated Search for Retrieval-Augmented Generation Using Lightweight Routing”. *International Conference on Distributed Applications and Interoperable Systems (DAIS)*, 2026.
- [3] **Akash Dhasade**, Divyansh Jhunjhunwala, Milos Vujasinovic, Gauri Joshi, and Anne-Marie Kermarrec. “Navigating the Accuracy-Size Trade-Off with Flexible Model Merging”. *International Conference on Learning Representations (ICLR)*, 2026.
- [4] Youssef Allouah, **Akash Dhasade**, Rachid Guerraoui, Nirupam Gupta, Anne-Marie Kermarrec, Rafael Pinot, Rafael Pires, and Rishi Sharma. “Revisiting Ensembling in One-Shot Federated Learning”. *Conference on Neural Information Processing Systems (NeurIPS)*, 2024.
- [5] **Akash Dhasade**, Yaohong Ding, Song Guo, Anne-Marie Kermarrec, Martijn de Vos, and Leijie Wu. “QuickDrop: Efficient Federated Unlearning via Synthetic Data Generation”. *International Middleware Conference (Middleware)*, 2024.
- [6] Martijn de Vos, **Akash Dhasade**, Jade Garcia Bourrée, Anne-Marie Kermarrec, Erwan Le Merrer, Benoit Rottembourg, and Gilles Tredan. “Fairness auditing with multi-agent collaboration”. *European Conference on Artificial Intelligence (ECAI)*, 2024.
- [7] **Akash Dhasade**, Anne-Marie Kermarrec, Rafael Pires, Rishi Sharma, Milos Vujasinovic, and Jeffrey Wigger. “Get More for Less in Decentralized Learning Systems”. *IEEE International Conference on Distributed Computing Systems (ICDCS)*, 2023.
- [8] **Akash Dhasade**, Nevena Dresevic, Anne-Marie Kermarrec, and Rafael Pires. “TEE-based decentralized recommender systems: The raw data sharing redemption”. *IEEE International Parallel and Distributed Processing Symposium (IPDPS)*, 2022.
- [9] Stuart Byma, **Akash Dhasade**, Adrian Altenhoff, Christophe Dessimoz, and James R. Larus. “Parallel and Scalable Precise Clustering”. *International Conference on Parallel Architectures and Compilation Techniques (PACT)*, 2020.
- [10] **Akash Balasaheb Dhasade**, Akhila Sri Manasa Venigalla, and Sridhar Chimalakonda. “Towards Prioritizing GitHub Issues”. *Innovations in Software Engineering Conference (ISEC)*, 2020.

Workshop Proceedings

- [1] **Akash Dhasade**, Anne-Marie Kermarrec, Erick Lavoie, Johan Pouwelse, Rishi Sharma, and Martijn De Vos. “Practical Federated Learning without a Server”. *Workshop on Machine Learning and Systems (EuroMLSys)*, 2025.

- [2] **Akash Dhasade**, Anne-Marie Kermarrec, Tuan-Ahn Nguyen, Rafael Pires, and Martijn de Vos. “Harnessing Increased Client Participation with Cohort-Parallel Federated Learning”. *Workshop on Machine Learning and Systems (EuroMLSys)*, 2025.
- [3] **Akash Dhasade**, Anne-Marie Kermarrec, Rafael Pires, Rishi Sharma, and Milos Vujasinovic. “Decentralized Learning Made Easy with DecentralizePy”. *Workshop on Machine Learning and Systems (EuroMLSys)*, 2023.

Journal Publications

- [1] Mohamed Yassine Boukhari, **Akash Dhasade**, Anne-Marie Kermarrec, Rafael Pires, Othmane Safsafi, and Rishi Sharma. “Boosting Resource-Constrained Federated Learning Systems with Guessed Updates”. *IEEE Transactions on Parallel and Distributed Systems* 36.8 (2025), 1666–1679.
- [2] Aditya Dhall, **Akash Dhasade**, Ashwin Nalwade, Mohan Raj V.K, and Vinay Kulkarni. “A Survey on Systematic Approaches in Managing Forest Fires”. *Applied Geography* 121 (2020), 102266.

ACADEMIC SERVICE

Reviewer: NeurIPS (2024–2026), ICML (2026), MLSys (2025), ICLR (2025), IEEE/ACM Transactions on Networking, and Transactions on Machine Learning Research (TMLR).

Recognition: NeurIPS Top Reviewer Award (2024 & 2025), ICML Gold Reviewer Award (2026).

TEACHING

- Systems for data science and data management ([CS-460](#)) Spring 2022 to 2025
– Delivered the [lecture](#) on Federated & Decentralized Learning
- Deep learning in Bio-Medicine ([CS-502](#)) Fall 2023
- Markov chains and algorithmic applications ([COM-516](#)) Fall 2022
- Algorithms I ([CS-250](#)) Fall 2021

Tasks performed: Designed homework assignments, instructed weekly tutorial/exercise sessions, graded midterms and projects.

MENTORSHIP (10+ STUDENTS)

- **Bachelor’s Students:** Mohamed Yassine Boukhari*
- **Master’s Students:** Pascal Epple, Selim Mouaffak, Jonas Mika Senghaas, Igor Pavlovic
- **Exchange Students:** Peng Ren, Kang Fu
- **Visiting Interns:** Leijie Wu*, Arpan Dasgupta
- **Master Thesis Students:** Micheal Roust, Mathis Randl

*denotes students who are co-authors on peer-reviewed publications.

LANGUAGES

English (fluent), Marathi (native), Hindi (native), French (B1)