

Shehreen Azad

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Education

University of Central Florida

Aug'22 – Dec'26 (*Expected*)

Doctor of Philosophy, Computer Science. Advisor: [Dr Yogesh S Rawat](#).

Dissertation Committee: [Dr Yogesh S Rawat](#), [Dr Mubarak Shah](#), [Dr Chen Chen](#), [Dr Soheil Sabri](#)

Master of Science, Computer Science. **GPA:** 3.92/4.0

May'26

Work Experience

Applied Scientist, RBKS AI, Amazon

Sept'26-Present; Bellevue, WA

Applied Scientist Intern, RBKS AI, Amazon

May'26-Aug'26; Bellevue, WA

- Developing a multimodal framework for efficient streaming video understanding.

Selected Publications

- CVPR'26** **StreamReady: Learning *What* and *When* to Answer in Long Streaming Videos**
S Azad, V Vineet, YS Rawat. *Link:* <https://arxiv.org/pdf/2603.08620v1>
- CVPR'25** **HierarQ: Task-Aware Hierarchical Q-Former for Enhanced Video Understanding**
S Azad, V Vineet, YS Rawat. *Link:* <https://arxiv.org/pdf/2503.08585>
- ICCV'25** **DisenQ: Disentangling Q-Former for Activity-Biometrics**
(Highlight) S Azad, YS Rawat. *Link:* <https://arxiv.org/pdf/2507.07262>
- CVPR'24** **Activity-Biometrics: Person Identification from Daily Activities**
S Azad, YS Rawat. *Link:* <https://arxiv.org/pdf/2403.17360>

Major Research Projects

Long Video Understanding - Streaming and Offline

2024 – Present

Internship and Graduate Research Project

- Developed a multimodal large language model (MLLM) to jointly focus on content and temporal reasoning.
- Developed a memory-augmented multimodal model to efficiently retain past information in long videos.

Person Identification from Motion-Centric Temporal Modeling

2023 – 2024

Funded Project: Biometric Recognition and Identification at Altitude and Range (BRIAR) by IARPA.

- Introduced the novel task and a unimodal framework for activity-aware person identification.
- Developed a multimodal framework to identify individuals from their daily activities through language-guidance.
- Served as the team lead for the activity-aware recognition substream of the BRIAR program.

Patents

1. **S Azad**, YS Rawat. “Activity-based person identification using biometric disentanglement.” US Patent No.: 12,482,255, 2025.
2. **S Azad**, YS Rawat. “Silhouette-Guided Feature Distillation for Activity-Aware Person Identification.” US Patent no. : 19/361,835. 2026 (*filed*).

Additional Credentials

1. **Languages, Frameworks, Tools:** Python, PyTorch, CUDA, Linux, L^AT_EX.
2. **Awards and Honors:** UCF CS Ranking Incentive Award ('24, '25, '26); ICCV Broadening Participation Award ('25); CVPR Broadening Participation Award ('24, '25, '26); UCF Presentation Fellowship ('24, '25); UCF ORCGS Doctoral Fellowship ('23).
3. **Reviewer:** CVPR ('25,'26), ECCV/ICCV ('25,'26) NeurIPS ('25,'26), BMVC ('25, '26), ICPR('24,'26).
4. **Teaching Assistant:** CAP 5725: Computer Graphics (*Fall'22*), CAP 6721: Ray Tracing (*Spring'23*).