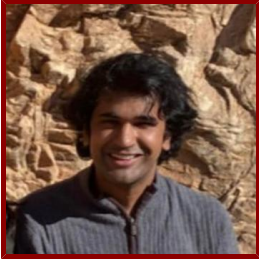


Stanford



Akshay Paruchuri

- Postdoctoral Scholar, Psychiatry
- AI4ALL Graduate Mentor, Stanford Pre-Collegiate Studies
- 📄 Curriculum Vitae available Online

Bio

BIO

I'm a postdoctoral scholar at Stanford University, advised by Professor Ehsan Adeli. I'm affiliated with the Stanford Translational AI (STAI) Lab and the Stanford Vision and Learning (SVL) Lab. I earned my PhD in computer science at UNC Chapel Hill under the advisement of Professor Henry Fuchs. I build and evaluate multimodal AI systems, from general-purpose methods for interactive computing to applications in healthcare. Currently, I'm working toward a future where multimodal AI can safely and reliably integrate into healthcare systems in order to improve the entire patient journey, from advanced diagnostic imaging and surgical support to all-day health monitoring and management, with the aim to achieve better therapeutic outcomes for cancer and aging-related diseases. I'm generally interested in opportunities that would allow me to continue to deepen my research expertise while leading and working on projects that benefit people everywhere, whether through foundational research, real-world products, or shaping how these systems are evaluated and deployed.

Previously, I was a visiting researcher at IDSIA USI-SUPSI working with Professor Piotr Didyk on the interpretability of multimodal language models (MLMs) with respect to capabilities such as visual perception. I've published in leading venues on topics such as remote health sensing (WACV, NeurIPS), 3D reconstruction (ECCV, MICCAI), LLM-based conversational agents for personal health (EMNLP, Nature Communications), and energy-efficient operation of smart glasses (ISMAR). I've done internships at Google AR/VR, Google Consumer Health Research, and Kitware.

PROFESSIONAL EDUCATION

- Ph.D., University of North Carolina at Chapel Hill , Computer Science (2025)

STANFORD ADVISORS

- Ehsan Adeli, Postdoctoral Faculty Sponsor

LINKS

- Personal Website: <https://akshayparuchuri.com/>
- Google Scholar: https://scholar.google.com/citations?hl=en&user=tc0M7WwAAAAJ&view_op=list_works&sortby=pubdate

Publications

PUBLICATIONS

- **Transforming wearable data into personal health insights using large language model agents** *NATURE COMMUNICATIONS*
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