

Ankit Sonthalia

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Education

University of Tübingen

- PhD in Artificial Intelligence.
- Advisors: Seong Joon Oh (STAI) and Hilde Kuehne (CVML).

Tübingen, Germany

April 2024 - present

Birla Institute of Technology & Science, Pilani

- Integrated M.Sc. Mathematics + B.E. Computer Science.

Pilani, India

Aug 2017 - Aug 2022

Past Experience

University of Tübingen (Seong Joon Oh)

TEACHING ASSISTANT

- Trustworthy Machine Learning course.

Tübingen, Germany

Nov 2024 - Feb 2025

Tübingen AI Center

RESEARCH SOFTWARE ENGINEER

Tübingen, Germany

Oct 2022 - Mar 2024

German Research Center for Artificial Intelligence (DFKI, Didier Stricker)

RESEARCH ASSISTANT

- Paper on fusion between event streams and point clouds for scene flow.

Kaiserslautern, Germany

Feb 2022 - Jul 2022

Western Sydney University (Bharath Ramesh)

RESEARCH INTERN

- Paper on semantic segmentation for neuromorphic sensors.

Sydney, Australia (Remote)

2020 - 2021

Publications

- [1] **Ankit Sonthalia**, Arnas Uselis, Seong Joon Oh. **On the Rankability of Visual Embeddings**. *Advances in Neural Information Processing Systems (NeurIPS)*, 2025.
- [2] **Ankit Sonthalia**, Alexander Rubinstein, Ehsan Abbasnejad, Seong Joon Oh. **Do Deep Neural Network Solutions Form a Star Domain?** *International Conference on Learning Representations (ICLR)*, 2025.
- [3] **Ankit Sonthalia**, Haritz Puerto, Alexander Rubinstein, Martin Gubri, Seong Joon Oh. **Agent in a Bottle: Can LLM Agents Turn Their Capabilities Into Cheap, Scalable Artifacts?** *arXiv*, 2026.
- [4] Fabian Morelli, Arnas Uselis, **Ankit Sonthalia**, Seong Joon Oh. **Sparse Autoencoders enable Robust and Interpretable Fine-tuning of CLIP models**. *arXiv*, 2026.
- [5] **Ankit Sonthalia**^{*}, Ramy Battrawy^{*}, René Schuster, Didier Stricker. **EvLiDAR-Flow: Attention-Guided Fusion Between Point Clouds and Events for Scene Flow Estimation**. *ICPRAM*, 2023.
- [6] Weng Fei Low^{*}, **Ankit Sonthalia**^{*}, Zhi Gao, André van Schaik, Bharath Ramesh. **Superevents: Towards Native Semantic Segmentation for Event-based Cameras**. *ICONS*, 2021.

^{*}Equal contribution.

Talks

On the Rankability of Visual Embeddings, VLM Connect Sessions, ResearchTrend.AI.

Online, November 2025

Do Deep Neural Network Solutions Form a Star Domain?, ELLIS Reading Group EfficientML.

Online, May 2025

Service & Honors

Reviewer awards: Gold Reviewer, ICML 2026; Top Reviewer, NeurIPS 2026.

2026

Reviewer for ICML, NeurIPS, ICLR, TMLR.

2025 - present