

Deepayan Das

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EDUCATION

University of Trento <i>Doctoral Candidate, Information and Computer Science</i>	Nov 2023 – Present
International Institute of Information Technology, Hyderabad <i>Master of Science, Computer Science and Engineering (CSE)</i>	March 2021
Manipal Institute of Technology <i>Bachelor of Technology, Electrical and Electronics (EE)</i>	July 2016

EXPERIENCE

Research Intern — Adobe Research, Bengaluru • Developed an agentic framework enabling interactive, slider-based editing of complex design documents.	May 2026 – Aug 2026
PhD Student — University of Trento • Conducting research on continual learning frameworks for multi-modal AI agents.	Oct 2023 – Present
Research Engineer — University of Bordeaux / INRIA • Contributed to ReservoirPy, performing in-depth analysis and forecasting on health-related time-series data.	Apr 2023 – Oct 2023
Project Assistant — IIT Hyderabad • Designed weakly-supervised spatial localization methods and reduced incidental correlations in few-shot visual classification.	June 2021 – March 2023
Data Scientist — Myntra • Built an e-commerce QA chatbot prototype and an end-to-end automated product description generation pipeline.	Aug 2020 – June 2021

PUBLICATIONS

- Deepayan Das**, Davide Talon, Yiming Wang, Massimiliano Mancini, Elisa Ricci. Personalizing MLLMs via Reinforced Multimodal Reference Game. In *ECCV*, 2026.
- Deepayan Das**, Davide Talon, Yiming Wang, Massimiliano Mancini, Elisa Ricci. Training-free personalization via retrieval and reasoning on fingerprints. In *ICCV*, 2025.
- Deepayan Das**, Davide Talon, Massimiliano Mancini, Yiming Wang, Elisa Ricci. One VLM to keep it learning: Generation and balancing for data-free continual visual question answering. In *WACV*, 2025.
- Gaurav Bhat*, **Deepayan Das**, Vineeth Balasubramanian, Leonid Sigal. Mitigating the Effect of Incidental Correlations on Part-based Learning. In *NeurIPS*, 2023.
- Deepayan Das***, Gaurav Bhat*, Vineeth Balasubramanian, Leonid Sigal. Weakly-supervised Spatially Grounded Concept Learner for Few-Shot Learning. In *BMVC*, 2023.
- Deepayan Das** and CV Jawahar. Adapting OCR with limited supervision. In *DAS*, 2020. **(Oral)**
- Deepayan Das**, Jerin Philip, Minesh Mathew, and CV Jawahar. A cost-efficient approach to correct OCR errors in large document collections. In *ICDAR*, 2019. **(Oral)**

* Equal contribution.

SELECTED PROJECTS

- Enhancing OCR Performance with Low Supervision** (Master's Thesis) — Developed human-in-the-loop and self-training batch error-correction methods for large-scale document collections.
- Wikipedia Search Engine** — Engineered a real-time, multi-word, and multi-field search engine over a 40 GB Wikipedia dump.

SKILLS

Languages: Python, C/C++, Bash
ML & DL: PyTorch, Hugging Face Transformers, NumPy, scikit-learn
Research Areas: Multimodal LLMs / VLMs, Continual Learning, Computer Vision, NLP, OCR, Time-series Forecasting
Tools: Git, Docker, Linux, SLURM, Weights & Biases, L^AT_EX

ACADEMIC SERVICE

- Reviewer, Conference on Neural Information Processing Systems (NeurIPS), 2026
- Reviewer, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2026
- Reviewer, IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2026