

Aarat Satsangi, Ph.D. Candidate

 Email  LinkedIn  GitHub  Website

Education

- 2024 – 2028  **Ph.D., University of Western Ontario**
Computer Science.
- 2019 – 2023  **B.Tech., Dayalbagh Educational Institute**
Electrical Engineering with Specialization in Computer Science.
Thesis title: *Towards Automating Commentary Generation in a Cricket Match using Video Analysis.* 

Employment History

- Sep'25 – Dec'25  **Mitacs Accelerate Intern** | University of Western Ontario | ICASSD
Supervisor: Assoc. Prof. Apurva Narayan, 
- May'25 – Aug'25  **Globalink Research Mentor** | Mitacs
 **Mitacs Accelerate Intern** | University of Western Ontario | ICASSD
Supervisor: Assoc. Prof. Apurva Narayan, 
- Sep'24 – Dec'24  **Mitacs Accelerate Intern** | University of Western Ontario | ICASSD
Supervisor: Assoc. Prof. Apurva Narayan, 
- Jan'24 – Aug'24  **Junior Research Fellow** | Indian Institute of Technology, Delhi
Supervisor: Prof. Amit Mehndiratta,  Dr. Neha Singh 
- Jun'22 – Aug'22  **Research Intern** | Toronto Metropolitan University | Mitacs.
Supervisor: Asst. Prof. Amira Ghenai 
- Apr'22 – May'22  **Software Developer Intern** | Keysight Technologies.

Skills

- Coding  Python, C#, Java, C, PHP, $\text{\LaTeX}$
- Databases  MySQL.
- Web Dev  HTML, CSS, JavaScript, PHP.
- Version Control  Git, GitHub.
- Machine Learning  Representation Learning, Computer Vision, Time Series.

Research Publications

Journal Articles

- 1 G. Amira, N. Keshav, and S. Aarat, "Agecovp: Identifying ageism and analyzing covid-19 discourse on older adults in youtube," *EPJ Data Science*, vol. 14, no. 1, p. 65, 2025.

Conference Proceedings

- 1 U. Devulapalli, A. Satsangi, and A. Narayan, "Fine-tuning large language models for structured clinical report generation using gpo," in *Proceedings of the SecureAI4H Symposium, AAAI Conference on Artificial Intelligence*, Accepted, to appear, 2025.
- 2 A. Satsangi and A. Narayan, "Towards reliable and interpretable predictions in stroke detection using computed tomography scans," in *Proceedings of the Machine Learning for Health (ML4H) Symposium*, Submitted, 2025.

- 3 A. Satsangi, J. El-Shawa, U. Devulapalli, and A. Narayan, "Hermes: A modular multi-agent system for structuring clinical text," in *Proceedings of the SecureAI4H Symposium, AAAI Conference on Artificial Intelligence*, Accepted, to appear, 2025.
- 4 M. M. Mishra, A. Satsangi, and C. Patvardhan, "Towards automating commentary generation in a cricket match using video analysis," in *Proceedings of the 46th National Systems Conference (NSC-2023)*, Dayalbagh Educational Institute and Systems Society of India, Agra, India, 2023, p. 19.

References

Dr. Apurva Narayan

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Dr. Amira Ghenai

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