Curriculum Vitae for: Aakash Tripathi, Ph.D. Student
September 9, 2023

Current Position:
Graduate Research Fellow
Department of Machine Learning
Moffitt Cancer Center and Research Institute
12902 Magnolia Drive
Tampa, FL 33612
aakash.tripathi@moffitt.org

Current Academic Appointments:
Ph.D. Student / Graduate Research Fellow
Electrical Engineering Department
University of South Florida
aakashtripathi@usf.edu

Advisors:
Research Advisor: Dr. Ghulam Rasool, ghulam.rasool@moffitt.org
Academic Advisor: Dr. Yasin Yilmaz, yasiny@usf.edu

Education:

2020-2024	Ph.D. (in progress), Electrical Engineering, University of South Florida, Tampa, Florida
2018-2022	BS in Electrical and Computer Engineering with Honors Concentration, Rowan University, Glassboro, New Jersey

Academic Appointments and Teaching Experience:

2022-today	Graduate Research Fellow, University of South Florida
Dec 17, 2021	Teaching Assistant: Fundamentals of Deep Learning for Computer Vision, NVIDIA Sponsored Workshop

Honors and Awards

1. 3rd position in the Annual 2023 Bio-Data Club Hackathon - project "Generating, visualizing, and quantitatively analyzing graphs of multi-omics data" , December 2022.
2. University of South Florida, Graduate Assistantship Award, 2022-2025.
3. Rowan University College of Engineering Dean's List.
4. 2019 KEEN Lawrence Technological University Design Award.
5. New Jersey Health Foundation $50,000 Research Grant.

Research & Publications (Google Scholar link)

Under-Review

1. **Aakash Tripathi**, Asim Waqas, Kavya Venkatesan, Yasin Yilmaz, and Ghulam Rasool, "Building Flexible and Scalable Multimodal Oncology Datasets", under submission in MDPI Sensors, 2023.
2. Asim Waqas, **Aakash Tripathi**, Ravi P. Ramachandran, Paul Stewart, and Ghulam Rasool, "Multimodal Data Integration for Oncology in the Era of Deep Neural Networks: A Review", under review in IEEE Transaction on Neural Networks and Learning Systems. Preprint available at: https://arxiv.org/abs/2303.06471.

Peer-Reviewed Publications

3. Jacob R Epifano, Alison Silvestri, Alexander Yu, Ravi P Ramachandran, **Aakash Tripathi**, Ghulam Rasool, "A Comparison of Feature Selection Techniques for First-day Mortality Prediction in the ICU." 2023 IEEE International Symposium on Circuits and Systems (ISCAS). IEEE, 2023.
4. Sabeen Ahmed, Ian E Nielsen, **Aakash Tripathi**, Shamoon Siddiqui, Ravi P Ramachandran, Ghulam Rasool, "Transformers in time-series analysis: A tutorial." Circuits, Systems, and Signal Processing (2023): 1-34.