Dr. Abhinav Malviya

Assistant Professor
Department Computer Science and Engineering
Sardar Vallabhbhai National Institute Technology
Surat, Gujarat, India
Email: abhinav@coed.svnit.ac.in
Google Scholar Profile: Click here
ORCID ID: 0000-0001-5417-8857

Research Area- Robotics, Crowd Simulation, Autonomous Vehicle Navigation, Artificial Intelligence

Education:

- **Dual Degree M.Tech. and Ph.D. in Information Technology**
  Indian Institute of Information Technology (IIIT) Allahabad
  Year of Completion: 2025
- **B.Tech. in Computer Science & Engineering**
  United College of Engineering & Research (UCER), Allahabad
  Year of Completion: 2014

Publication:

International Journals – SCI/SCIE
1. Malviya, A., & Kala, R. (2021). Social robot motion planning using contextual distances observe from 3D human motion tracking. *Expert Systems with Applications*, *184*, 115515.(Impact factor 8.5)
2. Malviya, A., & Kala, R. (2021). Learning-based simulation and modeling of unorganized chaining behavior using data generated from 3D human motion tracking. *Robotica*, *40*(3), 544-569.

Conferences
1. Malviya, A., & Kala, R. (2022, October). Risk Modeling of the Overtaking Behavior in the Indian Traffic. In *2022 IEEE 25th International Conference on Intelligent Transportation Systems (ITSC)* (pp. 2882-2887). IEEE.(Top conference in transportation)
2. Malviya, A., Tripathi, D. V., Malviya, V., Kala, R.,(2025). Behaviour Conditioned Interactive Synthetic Dataset for Indoor Scenarios. In Advances in Robotics (AIR) (Accepted)