

Rohan Patil

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EDUCATION

University of California San Diego	California, USA
Ph.D. Student, Computer Science (Advisor: Henrik Christensen)	Sept. 2023 - 2027 (Expected)
M.S. Computer Science and Engineering, CGPA 4.0	Sept. 2021 - June. 2023
Indian Institute of Technology Gandhinagar	Gandhinagar, India
B. Tech, Computer Science and Engineering, CPI 9.55/10 - INSTITUTE SILVER	2017 - 2021

INTERNSHIPS

Cruise	Remote
POSITION: PHD INTERN, AI ROBOTICS	July - Sept 2024
<ul style="list-style-type: none">Understanding the complexity of road events for Autonomous vehiclesDeveloped a technique to search for relevant road eventsInvestigated deep learning methods for searching road events	
The Trade Desk	Irvine
POSITION: SOFTWARE ENGINEER INTERN	June - Sept 2022
<ul style="list-style-type: none">Modelling of user Monetary value and conversion probabilityDevelopment of metrics for insights and data collection pipeline	

PUBLICATIONS & POSTERS

● Abdulaziz Almuzairee, Rohan Patil , Dwait Bhatt, Henrik I. Christensen		
Merging and Disentangling Views in Visual Reinforcement Learning for Robotic Manipulation	CoRL	2025
● Rohan Patil , Alexander Langley, Henrik Christensen		
Scaling up multi-agent patrolling in urban environments.	Proc. of SPIE Vol. 12544	2023
● Janvi Thakkar, Devvrat Joshi, Shril Mody, Siddharth Soni, Rohan Patil , Nipun Batra		
Geometrical Homogeneous Clustering for Image Data Reduction	ICML 2021 SubsetML Workshop - Poster Presentation	2021
● Rohan Patil , Raviraj Dave, Harsh Patel, Viraj M Shah, Deep Chakrabarti, Udit Bhatia		
Assessing the Interplay between travel patterns and SARS-CoV-2 outbreak in realistic urban setting	Applied Network Science	2021
● Rithwik Kukunuri, Anup Aglawe, Jainish Chauhan, Kratika Bhagtani, Rohan Patil , Sumit Walia, Nipun Batra		
EdgeNILM: Towards NILM on Edge devices	BuildSys	2020

SKILLS

PROGRAMMING	Python, C/C++, \LaTeX , Verilog, Rust, Go, SQL, Scala
WEB DEVELOPMENT	Django, CSS, HTML5, JavaScript, GraphQL
LIBRARIES	PyTorch, TensorFlow, Numpy, Pandas, Jupyter, Scipy, ROS

PROJECTS

● MANAGED: AUTOMATE GPU ALLOCATION FOR PYTORCH - <i>git:bridgesign/managed</i>	2023
● GRAVITATIONAL WAVE DETECTION USING APPROXIMATE RANDOM SEARCH	2018-2020
● SHORT SURVEY ON DEVELOPMENT OF DATA DRIVEN TECHNIQUES IN ONLINE ADVERTISING	June 2020
● COVID19 DASHBOARD (<i>Python, Django</i>) <i>covid19.iitgn.ac.in</i> - Design, Backend and Deployment	May 2020

EXTRACURRICULAR & POR

● Teaching Assistant for CSE276A - Introduction to Robotics (UCSD)	Fall 2024
● Teaching Assistant for ES654 - Machine Learning (IITGN)	Spring 2020
● Teaching Assistant for CS301 - Operating Systems (IITGN)	Fall 2020
● Secured silver medal in Saptang's Network Security Hackathon - Inter IIT Tech Meet 9.0	March 2020
● Volunteered for organization of ACM-India Annual Event	Feb. 2020