Nakul Garg

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Research Interests

Mobile Computing, Wireless Networking, Low-power Sensing, IoT & Smart Cities

Education

Ph.D., Computer Science   Aug. 2019–Present
University of Maryland, College Park

Bachelor of Technology, ECE   Aug. 2014–May 2018
Guru Gobind Singh Indraprastha University

Awards and Scholarships

- ACM HotMobile 2020 Student Travel Award, 2020
- University of Maryland Graduate School Dean's Fellowship, 2019
- Outstanding Student Volunteer Award by IEEE Delhi Section, 2018
- Winner of World Food India Hackathon. Awarded by President of India, 2017
- Winner of Celestini Project India 2017, IIT Delhi & Marconi Society, 2017
- ACM MobiCom 2017 Student Travel Award, 2017
- Winner of eYantra - National Robotics Competition, IIT Bombay, 2017
- Winner of eYantra - National Robotics Competition, IIT Bombay, 2016
- Among top 6 in National CBSE Science Exhibition, 2013
- Winner of Regional CBSE Science Exhibition, 2012
- Winner of Annual SMS School Science Exhibition, 2011
- Winner of Annual SMS School Science Exhibition, 2010

Publications

Enabling Self-defense in Small Drones
Nakul Garg, Nirupam Roy
ACM HotMobile 2020

Poster: Acoustic Sensing for Detecting Projectile Attacks on Small Drones
Nakul Garg, Nirupam Roy
ACM HotMobile 2020

Evaluating LED-Camera Communication for Drones
Bhawana Chhaglani, Abhay Sheel Anand, **Nakul Garg**, Ashwin Ashok
ACM LIoT Workshop Co-located with ACM MobiCom 2020

Poster: DRIZY- Collaborative Driver Assistance Over Wireless Networks
Nakul Garg, Ishani Janveja, Divyansh Malhotra, Chetan Chawla, Pulkit Gupta, Harshil Bansal, Aakanksha Chowdhery, Prerana Mukherjee, Brejesh Lall
ACM MobiCom 2017

Experience	**Research Intern**	Sept. 2018—July 2019
	Computer Science Department, IIT Delhi	
	Advisor : Professor Rijurekha Sen	
	Technical Advisor	May 2018—Sept. 2018
	Celestini Project India, Marconi Society, Google, IIT Delhi	
	Advisor : Dr. Aakanksha Chowdhery and Professor Brejesh Lall	
	Research Intern	Jun. 2017—Sept. 2017
	Celestini Project India, Marconi Society, Google, IIT Delhi	
	Advisor : Dr. Aakanksha Chowdhery and Professor Brejesh Lall	

Teaching

CMSC818W Wireless and Mobile Systems for the IoT, Fall 2020
Instructor: Prof. Nirupam Roy

CMSC417 Computer Networks, Spring 2020
Instructor: Prof. Nirupam Roy

CMSC420 Advanced Data Structures, Fall 2019
Instructor: Prof. Jason Filippou