

Nakul Garg

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Research Interests	Mobile Computing, Wireless Networking, Low-power sensing, Underwater IoT
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EDUCATION	Ph.D. , Computer Science University of Maryland, College Park	Aug. 2019–Present
	Bachelor of Technology , ECE Guru Gobind Singh Indraprastha University	Aug. 2014–May 2018

Publications	Owlet: Enabling Spatial Information in Ubiquitous Acoustic devices Nakul Garg* , Yang Bai*, Nirupam Roy ACM Mobisys 2021
	Demo: Microstructure-guided Spatial Sensing for Low-power IoT Nakul Garg* , Yang Bai*, Nirupam Roy ACM Mobisys 2021
	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 Chhagani, Abhay Sheel Anand, Nakul Garg , Ashwin Ashok ACM LioT 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 Computer Science Department, IIT Delhi <i>Advised by</i> :, Dr. Rijurekha Sen	Sept. 2018—July 2019
	Technical Advisor Celestini Project India, Marconi Society, Google, IIT Delhi <i>Led by</i> :, Dr. Aakanksha Chowdhery (Google AI) and Dr. Brejesh Lall (IIT Delhi)	May 2018—Sept. 2018
	Research Intern Celestini Project India, Marconi Society, Google, IIT Delhi <i>Led by</i> :, Dr. Aakanksha Chowdhery (Google AI) and Dr. Brejesh Lall (IIT Delhi)	Jun. 2017—Sept. 2017

Teaching

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

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

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

CMSC420 Advanced Data Structures, Spring 2021
Instructor: Prof. David Mount

Awards and Scholarships

- University of Maryland CS Summer Research Fellowship 2021
- University of Maryland Graduate School Dean's Fellowship 2019
- Outstanding Student Volunteer Award by IEEE Delhi Section. 2018
- First position at **EV Hackathon**, India - Australia joint initiative. 2018
- Winner of World Food India Hackathon. Awarded by **President of India**. 2017
- Winner of Celestini Project India 2017, IIT Delhi & Marconi Society. 2017
- Travel grants: NSF for Mobicom 2017, **ACM SIGMOBILE** 2017
- 1st in **eYantra - National Robotics Competition, IIT Bombay** 2017
- 2nd in **eYantra - National Robotics Competition, IIT Bombay** 2016
- Ranked 44 in **IEEE XTreme Hackathon** 2015
- 1st in Robotron TechMarathon, DDUC, Delhi University 2014
- Among top 6 in **National CBSE Science Exhibition** 2013
- 4th in **International Quanta**, CMS School, Lucknow 2013
- 1st in **Regional level CBSE Science Exhibition** 2012
- 1st in Annual School Science Exhibition 2011
- 1st in Annual School Science Exhibition 2010
- 2nd in Annual School Science Exhibition 2009