

Nakul Garg

CONTACT INFORMATION	A-36, Ashoka Encalve Peeragarhi New Delhi, 110087 INDIA	Contact : +91 8800 565859 e-mail id : nakulgarg.2208@gmail.com in : http://linkedin.com/in/gargnakul/ git : https://github.com/Nakul22
KEY INTERESTS	Physical Computing, Machine Learning, Computer Vision, Internet of Things, Electronics Prototyping	
EDUCATION	B.V.C.O.E. , New Delhi, India B.Tech. in Electronics and Communication Engineering, <i>68%</i>	Jul. 2014–May 2018
	S.M.S. , New Delhi, India 12 th C.B.S.E, <i>CBSE 90%</i> 10 th C.B.S.E, <i>CBSE 82%</i>	Jul. 2012 Jul. 2014
TRAINING AND INTERNSHIPS	Project Intern Celestini Project India, Marconi Society, Google, IIT Delhi <i>Led by</i> :, Dr. Aakanksha Chowdhery (Princeton University) and Prof. Brejesh Lall (IIT Delhi)	Jan. 2017—present
	Technical Executive Prismart Productions, New Delhi	Aug. 2016—Jul. 2017
	Trainee Internet of Things, Texas Instruments, India	Aug. 2016—Sept. 2016
	Trainee Embedded Systems, IQB Solutions, Delhi	Sept. 2015—May 2016
RESEARCH PUBLICATIONS AND PATENTS	<ol style="list-style-type: none">1. N. Garg, I. Janveja, D. Malhotra, C. Chawla, P. Gupta, H. Bansal, A. Chowdhery, P. Mukherjee, and Brejesh Lall. “DRIZY—Collaborative Driver Assistance Over Wireless Networks”, ACM MobiCom Poster, Utah, USA, 2017.2. N. Garg, J.Parikh. “Wireless transceiver design for visible light communication”, ICICI, India, 2017.3. I. Janveja, N. Garg, C. Chawla, J.Parikh. “Aquacomm: Underwater Visible Light Communication”, IndiaCom, India, 2018. (accpeted)4. N. Garg “Aerial Surveillance Quadcopter” 2016. Patented at <i>Intellectual Property India</i>.	
AWARDS	<ul style="list-style-type: none">• Winner of World Food India Hackathon. Awarded by President of India. 2017• Winner of Celstini Project India 2017,IIT Delhi Marconi Society. Sponsored by Google.(URL: www.celestiniprojectindia.com) 2017• All India 1st in eYantra Robotics Competition, IIT Bombay 2017• All India 2nd in eYantra Robotics Competition, IIT Bombay 2016• Ranked 44 in IEEE XTreme Hackathon 2016	

	<ul style="list-style-type: none"> • 1st in Robotron TechMarathon, DDUC, Delhi University • Among top 6 in National CBSE Science Exhibition • 4th in International Quanta, CMS School, Lucknow • 1st in Regional level CBSE Science Exhibition • 1st in Annual School Science Exhibition • 1st in Annual School Science Exhibition • 2nd in Annual School Science Exhibition 	2015 2013 2013 2012 2011 2010 2009
LEADERSHIP EXPERIENCE	<ul style="list-style-type: none"> • Chair of BVP IEEE Student Branch • Vice–Chair of Robotics Society, BVCOE • Head Event–Manager, Fervour • Head Event–Manager, BVEST • Conducted workshops to teach programming concepts on Arduino and Raspberry platform. • Conducted seminars on STEM Education in Delhi schools. 	July 2017 – Present 2016 – 2017 2017 2016
TECHNICAL PROJECTS	<ul style="list-style-type: none"> • ”DRIZY”–Collaborative Driver Assistance Over Wireless Networks • Li-Fi (Data transfer through light) Demonstration • ”PUSHPAK” Aerial Surveillance Quadcopter with Rover • Touch–Screen Based Home Automation • IOT based Temperature Logger with Remote Access • FireBird V Robot – Mars Rover Navigation and 3D Modelling • Raspberry pi-3 based Personal Cloud Storage • Anti Car Theft System with SMS alert application • Zig–Bee based Swarm Robotics • Automatic Rubiks Cube Solver • Wireless Odometer 	2017 2017 2016 2016 2016 2016 2015 2014 2014 2014 2012
TECHNICAL SKILLS	<ul style="list-style-type: none"> • C/C++, Python, Matlab, Embedded C, • Computer Vision, Image Processing • Machine Learning, Deep Learning, Neural Networks • Raspberry Pi, Arduino, 8051, Atmel–AVR, Texas–MPU • Verilog, VHDL, FPGA Spartan-6 • Pixihaux, APM 2.6/8, KK2 Flight Controllers • 555 timers, Transistors, Op–amps 	