

Ishani Janveja

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INTERESTS	Deep Learning, Computer Vision, Artificial Intelligence, Image/Video Processing, Product Designing	
EDUCATION	Bharati Vidyapeeth's College of Engineering	2015-2019(anticipated)
	Bachelor of Technology in Electronics and Communication Current CGPA Score - 8.9/10.0	
	Venkateshwar International School, Delhi	2013-2015
	Higher Secondary Education 91.8% in AISSCE 2015	
	Kalpa Co-Educational School, Hyderabad	
	High School(Class 10) School Topper with 94.5% in ICSE Board Examination 2013	
TRAINING & INTERNSHIPS	Trainee at IIT Delhi	Jan. 2018
	Winter course on Deep Learning	
	Intern at IIT Delhi for Celestini Project India	Jun. 2017-Jul. 2017
	Led by : Dr. Aakanksha Chowdhery(Princeton University) and Dr. Brejesh Lall(IIT Delhi). Sponsored by Marconi Society, Google and IIT Delhi.	
	Trainee at Cyborg Labs, Delhi	Jul. 2016-Jun. 2016
	Comprehensive course on Embedded Systems	
TECHNICAL SKILLS	<i>Programming Languages:</i> Python, C, Embedded C, MATLAB, LaTeX. <i>Hardware Descriptive Language:</i> VHDL. <i>Embedded Platforms:</i> Raspberry Pi, Arduino, Firebird V, TI MSP 430. <i>Softwares and Libraries:</i> OpenCV, TensorFlow, Blender (GUI and Scripting), Mentor Graphics QuestaSim, OrCAD Capture/PSpice.	
AWARDS & HONORS	Paul Baran Young Scholars Celestini Prize India	Nov. 2017
	Awarded to honor the demonstration of innovation and blue-sky thinking in developing a telecom-based solution to a socioeconomic challenge.	
	Certificate of Merit at e-Yantra Robotics Competition (eYRC)	Mar. 2017
	For standing 4th out of 160 national teams in theme Bothoven.	
	Scholar's prize for standing 1st at school level in ICSE Board Examination 2013	

- PUBLICATIONS**
- [1] A. Arora, **I. Janveja** and Brejesh Lall. "labelVDOS: label Very Dense Object Sequences." *submitted to Computer Vision and Pattern Recognition Workshops (CVPRW) 2018*.
 - [2] 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," *submitted to ACM/IEEE International Conference on Internet-of-Things Design and Implementation 2018*.
 - [3] **I. Janveja**, N. Garg, C. Chawla and J. Parikh. "AQUACOM : Underwater Visible Light Communication". *Computing for Nation Development (INDIACom 2018), India*.
 - [4] N. Garg, **I. Janveja**, D. Malhotra, C. Chawla, P. Gupta, H. Bansal, A. Chowdhery, P. Mukherjee, and Brejesh Lall. "Poster: DRIZY: Collaborative Driver Assistance Over Wireless Networks." *Proceedings of the 23rd Annual International Conference on Mobile Computing and Networking. ACM, 2017*.

- PROJECTS**
- **IITD Winter Project 2017 - Depth Mapping of 2D Images using CNNs**
Transfer learning by using a VGG16 model pretrained on ImageNet dataset to generate depth map from a single monocular image. Prototyped using Keras.
 - **Model a Terrain (eYRC 2016) : Planet Terrain Analysing and Modelling**
Generation of a map of the arena traversed by an Explorer Bot on a remote system. Prototyped on Firebird V
 - **Bothoven (eYRC 2016) : Inter-Robot Communication for Cooperative Task Management**
Wireless communication using ZigBee technology to establish the collaborative task of striking a sequence of notes placed on an arena.
 - **Visible Light Communication**
Transfer textual data to a remote receiver using a laser diode transmitter. Prototyped using Arduino Mega 2560.

- LEADERSHIP EXPERIENCE**
- Vice Chairperson** Aug. 2017-present
Robotics and Automation Society, BVP-IEEE Student Branch, Delhi.
 - Student Representative** Aug. 2016-2017
BVP-IEEE Student Branch, Delhi.
 - School Prefect** 2014-2015
Venkateshwar International School, Delhi.
 - Head Girl** 2012-2013
Kalpa Co-Educational School, Hyderabad.

HOBBIES

I seek pleasure in creating (just about anything). The idea of sharing stories through just pictures amuses me, hence my love for photography. I relish solitude as much as I like talking to people and most of my conversations generally begin with or include music apart from talks about science, upcoming trends in technology or interesting things that I come across on the Internet. I enjoy swimming as a sport and sharing my philosophies with the few like-minded people that I have around me.