Ishani Janveja

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INTERESTS

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
92.8% in AISSCE 2015

Kalpa Co-Educational School, Hyderabad
High School(Class 10)
School Topper with 94.5% in ICSE Board Examination 2013

TRAINING & INTERNSHIPS

Intern at IIT Delhi for Celestini Project India Jun. 2017-Jul. 2017
Sponsored by Marconi Society, Google, IIT Delhi. Led by : Dr. Aakanksha Chowdhery (Princeton University) and Prof. Brejesh Lall (IIT Delhi)

Trainee at Cyborg Labs, Delhi Jul. 2016-Jun. 2016
Comprehensive course in Embedded Systems

TECHNICAL SKILLS

Programming Languages: Python, C, Embedded C, MATLAB, LaTex.
Hardware Descriptive Language: VHDL.
Embedded Platforms: Raspberry Pi, Arduino, Firebird V, TI MSP 430.
Softwares and Libraries: OpenCV, Blender - GUI and Python Scripts, 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** 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] 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

PROJECTS

- DRIZY : A Collaborative Driver Assistance System over Wireless Networks. Prototyped on Raspberry Pi.

- Planet Terrain Analysing and Modelling
Prototyped on Firebird V

- Visible Light Communication
Prototyped using ATmega 2560 based microcontroller

- Swarm Robotics for Co-operative Task Management
Wireless communication using ZigBee technology

- Gaming Arcade using cost effective Pressure Sensors for feedback

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.