

# Namit Juneja

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## SKILLS

### Programming :

Python, C, C++, JavaScript, Ruby, SQL, Algorithms, Data Structures

### Libraries/Frameworks :

OpenCV, Flask, Ruby on Rails, NodeJS

### Others :

Git, REST, MVC, AWS

## AWARDS AND ACHIEVEMENTS

### Special Achiever's Award, 2016

VIT University, India

For making significant contributions to research, academic excellence and accolades in extracurriculars.

### Top 10 out of 307 Teams, PennApps XIII Spring 2016

University of Pennsylvania, USA

Built a natural language generation module for an Android app that creates summaries of your life, based on your daily activity.

### Award for the best use of Data Visualization & Top 30 Hack, PennApps XIV Fall 2016

University of Pennsylvania, USA

### Winners, AngelHack 2016

Jaipur, India

For Developing Sloop.

### Best Data Analytics Hack, HackMIT 2015

MIT, USA

Created a gesture based navigation system using Google Maps Street View and JavaScript.

### International Award for Young People, Duke of Edinburgh Foundation

For showing excellent development in the field of technology, social service and sports.

### Best Student Team, RealHack2015

Bangalore, India

Built a tool which helps real estate agents provide a virtual walk through of a property

## EDUCATION

### Vellore Institute of Technology, Vellore

B.Tech Electronics & Communication Engineering Class of 2017  
CGPA 8.7/10

## RESEARCH

### CanSat – VIT Creation Lab

VIT University | January 2015 – June 2015

- CanSat is a can shaped mini satellite which simulates a real micro satellite's life cycles and workarounds.
- Worked on the ground control software design for the satellites. It comprised of three main parts, storage of acquired data, gui update and real time analysis of the data.
- The team secured 38th rank internationally at the CanSat Competition at Abilene, Texas.

### Boomerang: Rebounding the Consequences of Reputation

#### Feedback on Crowd sourcing Platforms – ACM UIST 2016

Stanford University | Jan 2016 – April 2016

### Crowd Guilds: Worker-led Reputation and Feedback on Crowd sourcing Platforms – ACM CSCW 2017

Stanford University | Jan 2016 – April 2016

- Deliberated with professors and fellow crowd researchers on issues concerning open governance in crowd sourcing under the guidance of Prof. Michael Bernstein, and identified Holacracy as viable structure to infuse the idea of open governance in Daemo.
- Presented preliminary research to improve reputation of workers through the use of Glicko rating.

### Real-Time and Portable Hand Tracking and Gesture Recognition System

VIT University | May 2016 – Aug 2016

Contributed under Prof. Alex Noel at VIT University. Chosen as the best research project under Summer Research Grant Program at VIT University.

- Implemented a real time hand gesture recognition system which is robust and gives >90% accuracy.
- The hand tracking framework was developed using the Kalman Filter and blob motion pattern analysis to produce accurate results which do not require any markers and is robust to background clutter.

## COMPETITIVE PROGRAMING

- Qualified for Kolkata Onsite Regionals in 2015. Ranked 39 out of 400+ teams at Kolkata site.
- Qualified for Amritpuri Onsite Regionals in 2015
- Facebook Hacker Cup Qualification Round 2014
- Google Code Jam Qualification Round 2014

## INVOLVEMENT

### **Institution of Electronics and Tele-Communication Engineers** *Technical Director*

August 2013 – Present

Student Mentor & Event Manager

Awarded Best Technical Student Chapter, VIT University, 2016

### **Google Developer's group** *Core Developer*

May 2012 - Present

### **Students for the Exploration and Development of Space** *Lead Developer*

March 2014 – November 2014

### **Association for Computing Machinery** *Member*

Fall 2013 - Present

## EXPERIENCE

### **Educatrium Ventures** – *Engineering Intern*

Shanghai, China | Summer 2015

- Built an analytics engine and wrote scripts in python that measures student performance and adapts the teaching curriculum in real time to assist the company's teaching faculty.
- Created a web app using PHP, Javascript and MySQL to implement adaptive learning methodologies that was used by more than 200,000 students across China to prepare for the SAT examination.

### **Sloopstream Inc.** – *Co-Founder*

June 2016 - PRESENT

- Developed a consumer behaviour analytics tool using image processing to measure exhibit popularity and optimize foot traffic through public spaces.
- Invited to Global Demo Day.2016 at San Francisco, California
- Currently deployed at 30+ stores across New Delhi.

### **Craft Cloud** – *Computer Vision Intern*

New York, USA | Summer 2016

- Implemented an Image processing algorithm for dominant color detection using MMCQ technique that reduced the overhead of manual sampling of images by more than 75%
- Built several automation scripts for helping the Operations Team reducing their entire job on particular set of tasks heavily.

### **Knowlarity Communications** – *Engineering Intern*

Gurgaon, India | December 2016 - Present

Responsible for developing the text analysis module of the cloud communication framework.