

# Tejal Singh

B.Tech. Computer Science and Engineering  
UG(IV Year I Semester)  
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Registration No: B.Tech./CSE/14114069/2018

Indian Institute of  
Technology  
Roorkee



## Area of Interest

Artificial Intelligence and Machine Learning

## Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2017	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	7.621
2014	Twelfth	Step By Step High School, Jaipur (CBSE)	92.2 %
2012	Tenth	HariDevi JhuthaRam Shishu Sadan, Pilani (CBSE)	10.0

## Internships

**Summer Internship** | Samsung Research Institute

11 May 2017 - 07 July 2017

- Worked in the Multimedia Services Team of Samsung, where a classifier was created which takes the input images of an object and predicts the quality of 3D reconstruction.

## Projects

**Aspect Based Sentiment Analysis** | IIT Roorkee

April 2017

- This was an NLP based project. Different aspect terms in restaurant reviews were extracted using Stanford POS tagger. Then, polarities of those aspects were determined by a model trained using SVM. Then, the aspects were categorized into different categories using similarity matching. Finally, ratings of those categories were given.

**Mouse Control Using Hand Gestures** | IIT Roorkee

March 2017

- Developed an OpenCV program using which we can control our mouse pointer movement by simple hand gestures. The program does not require any kind of additional hand gloves to work.

**Linux From Scratch System** | IIT Roorkee

March 2016 - April 2016

- Linux From Scratch is a project for building your own customized Linux system entirely from source. The goal of this project was to build a complete and minimal working system by compiling everything from Source Code. Building an LFS system helps demonstrate what makes Linux tick, and how things work together and depend on each other.

## Awards / Scholarships / Academic Achievements

- All India Rank 2059 in IIT-JEE Advanced 2014.
- Secured All India Rank 367 in the SX stream of KVPY (Kishore Vaigyanik Protsahan Yojana) Exam 2013 conducted by the Indian Institute of Science, Bangalore.
- District Topper in SSTSE-2011 (State Science Talent Search Exam) conducted by the Department of Science and Technology, Government of Rajasthan.

## Skills

Computer languages	C++, Java, Python
Software Packages	Eclipse(Java), Microsoft Visual Studio, Xilinx(basic)
Languages Known	English (SRW) , Hindi (SRW)

## Positions of Responsibility & Extra Curriculars

**NCC - Company Commander**

2014

- Served as The Company Commander of "The Engineers" Group in 3UKCTR (3 Uttarakhand Composite Technical Regiment) of the Indian military cadet corps NCC (National Cadet Corps).

**Rock Climbing Training Course**

2015

- Successfully completed a 3-day Rock Climbing Training Course organized by The Naini Tal Mountaineering Club, Naini Tal.

**Shali Tibba Short Trek**

2015

- Successfully completed Shali Tibba Short Trek organized by Himalayan Explorer's Club, IIT Roorkee.

## References

**Dr R Balasubramanian**

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**Dr Biplab Banerjee**

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