

## Yash Mahajan

Department of Computer Science and Engineering

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People find me to be an upbeat, self-motivated team player with excellent communication skills. For the past several years I have worked in lead qualification, telemarketing, and customer service in the technology industry. My experience includes successfully calling people in director-level positions of technology departments and developing viable leads. I have a track record of maintaining a consistent call and activity volume and consistently achieving the top 10 percent in sales, and I can do the same thing for your company.

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## Education

Matriculation	2014	NDPS Indore	10 CGPA
Intermediate	2016	Annie Besant School Indore	100%
B.Tech.	2016-Present	Indian Institute of Technology Kanpur	10/10 CPI

## Course Details-

Semester Details	Total Credits	Highlights
Aug 2016-Dec 2016	53	PE101
Jan 2017-April 2017	51	PE102
Aug 2017-Dec 2017	61	TA201

## Skills

- Computer Science : Operating systems, Machine learning
- Programming languages : C, C++, Java, Scripting languages (bash, awk)

## Projects

- Unsupervised Video Surveillance** *(May 2017-Dec 2017)*

This project involved the development of a novel technique to detect unusual activities in videos in an unsupervised manner. We used pLSA with an appropriate choice for features on video clips to obtain clustering of similar videos, and any new activity different from the ones learned was flagged as unusual. We also extended the idea to multi person unusual activity detection.
- Improving Performance with MKL in SVMs** *(May 2017-Dec 2017)*

Support Vector Machines learn linear classifiers from labelled training data to predict labels for previously unseen test data. Kernels with SVMs allow to learn non linear classifiers, and hence lead to much higher classification accuracy's in practice. We are learning non linear kernel combinations to give us even better classification accuracy's and are seeing a possibility of a significant performance increase.

## Awards and Achievements

- Rank 1 in IIT-JEE 2016
- Gold medalist in International Informatics Olympiad 2015.

## Hobbies

- Sports : Cricket, Football
- Music : Synthesizer, Flute, Piano
- -Others : Video Games, Movies