

# Nishant Gupta

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Computer Science and Engineering,  
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## ACADEMIC DETAILS

Year	Examination	Institute	CPI/%
2017 (expected)	B.Tech, Computer Science	IIT Kanpur	9.2/10.0
2013	HSCE	Shivpuri Public School,Ashoknagar	93.60%
2011	AISSCE	Tara Sadan School,Ashoknagar	9.6/10.0

## SCHOLASTIC ACHIEVEMENTS

- Awarded **Academic Excellence Award** (IITK) given to top 5% students on the basis of academic performance.
- Secured **AIR-248** out of 0.15 million shortlisted students in JEE-Advanced 2013.
- Qualified **Regional Mathematical Olympiad**(Rajasthan Region).
- Selected for the **KVPY** (Kishore Vaigyanik Protsahan Yojana) in 2013.

## TECHNICAL SKILLS

- **Development Environment** Gentoo, ArchLinux - XMonad, i3. **Database** (MySQL)
- **Languages** (C, C++, Java, dart, Javascript, Haskell, Scala, x86 Assembly(AT&T Syntax)), **Script** (Python, Shell),
- **Tools** (git, Angular, Android App Development, sbt, gradle, cabal, css/scss, akka).

## INTERSHIPS

- **Altisource Business Solutions**(Technology Intern) May'15-Jul'15
  - Worked on the projects **Actor Equivalence and Identity Stitching** and **Event Data Clustering** for the company's consumer analytics product 'Pointilist'
  - Designed an algorithm for solving the actor equivalence problem (Established a relation between actors and streaming events) for single Multiple platforms.
  - Built a generic framework that takes varying Consumer data from different tenants and Processes, normalizes and Clusters it to derive meaningful inferences.

## KEY PROJECTS

- **Online Web Platform** - Under Prof. Manindra Agarwal Nov'14-Present
  - Implemented Google Drive Integration and various small features for a web platform that uses **Dart** on front-end and **Scala** on back-end.
  - Designed and developed the frontend using bleeding edge frameworks like **AngularDart**, Polymer, etc
  - Currently developing Android app for same web platform.
- **Sentiment Analysis of Social Media** - Takneek'14 Aug'14
  - Application developed during Web-Dev, Takneek'14 and secured **1<sup>st</sup>** position.
  - Provided an interface to analyse the past and present social sentiment of brands and their products.
  - Identify 'good' and 'bad' features of the product and suggest weak points to improve it.
- **Triangulation of Image** - Programming Club, IIT Kanpur Jun'14-Jul'14
  - Renders image using only triangles and gives the sense of image.
  - Uses **OpenCV** for Image Processing and Manipulation, Tkinter for GUI and webcam support.
  - Uses Delaunay Triangulation so that image is aesthetically pleasing.
- **Location Extraction and Visualization of News items** - ACA, IIT Kanpur Feb'14-Apr'14
  - A webapp that plots news on a world map using various APIs for location resolution, news fetching and map plotting.

## RELEVANT COURSEWORK

CS210 - Data Structures and Algorithms(A*)	CS201 - Discrete Mathematics(A)
CS345 - Algorithms II(*)	MSO201 - Probability and Statistics(A)
CS653 -Functional Programming(*)	* - Ongoing

## POSITIONS OF RESPONSIBILITY

- **Seceretary** of Programming Club, IIT Kanpur. 2014-2015
  - Part of a team of 15 members made to manage the activities of the Programming Club, IITK
  - Mentored freshmen for various Programming club competitions.
- **Co-ordinator**, Funzone, Udhghosh'14 - Annual Inter-College Sports Fest of IIT-Kanpur. Sep'2014