Nishant Gupta

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Year	Degree	Institute	Performance
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).

Internship

- 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 that can resolve 25% more cases.
  - Built a generic framework that takes varying Consumer data from different tenants and Processes, normalizes and Clusters it to derive meaningful inferences.

Projects

- Sentiment Analysis of Social Media - Takneek'14   Aug'14
  - Application developed during Web-Dev, Takneek'14 and secured 1st 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.
- Implemented Google Drive Integration and various small features for a website that uses dart on front-end and scala on back-end. Also, currently developing Android app for same website.
- Image Trianglization - Programming Club, IIT Kanpur   May'14-Jul'14
  - Renders image using only triangles and gives the sense of image.
  - Basic GUI using Tkinter and webcam support.
  - Uses Delaunay Triangulation so that image is aesthetically pleasing.
  - Uses OpenCV for Image Processing and Manipulation.
- News Map - ACA, IIT Kanpur   Feb'14-Apr'14
  - A webapp that plots news on a world map.
  - Uses 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(Ongoing)   MSO201 - Probability and Statistics(A)
CS653 -Functional Programming(Ongoing)

Technical Skills

Development Environment : Gentoo, Arch - Xmonad, i3
Languages : C/C++, Python, Bash, octave, JS, Dart, Haskell, Scala.
Other : git, Angular, Android App Development, sbt, gradle, cabal, MySQL,css/scss.

Positions Of Responsibility

- Secretary 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.