

# Aniket Pandey

First Year Undergraduate • Mathematics and Scientific Computing

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## EDUCATION

### IIT KANPUR

B.S IN MATHEMATICS AND  
SCIENTIFIC COMPUTING

July 2016-Present | CPI: 7.7/10.0

### K.V R.K.PURAM SEC-2

AISSCE, CBSE, OVERALL: 94.0%  
May 2016 | New Delhi, India

### K.V R.K.PURAM SEC-2

CBSE, OVERALL: 10 CGPA  
May 2014 | New Delhi, India

## LINKS

Github:// lordaniket06

LinkedIn:// aniketp

## RELEVANT COURSES

Introduction to Programming

Introduction to Analysis

Linear Algebra

Ordinary Differential Equation

## SKILLS

### PROGRAMMING

Python • Javascript • C • C++

### WEB DEV / FRAMEWORKS

HTML5 • CSS3 • Bootstrap • Django

### OPERATING SYSTEMS

LinuxMint • Ubuntu • Windows10

### UTILITIES

Git • Vim •  $\text{\LaTeX}$  • Bash • NumPy

## INTERESTS

Front-End Development

Python Scripting • Open Source

Number Theory • Astronomy

## EXPERIENCE AND PROJECTS

### GYMKHANA NOMINATION PORTAL | SINCE MAY'17

Summer Project , Programming Club

- Worked on a scalable web application with a diverse technology stack.
- Used Scala with Akka and Couchbase among other technologies for developing the backend.
- Implemented Notifications, XSRF & XSS Protection and a method to batch process api requests as part of the backend api.

### COMPUTATIONAL COMPLEXITY THEORY | 2<sup>nd</sup> SEMESTER

ACA Semester Project

- Reading Project on Theory of Computation. Studied about non-deterministic complexity classes eg. NP, NP-Complete, NP-Hard.
- Researched the fundamental working of **Turing Machine** and its properties. Analyzed famous NP-Complete problems, e.g SAT, Hamiltonian Path, Travelling Salesman etc.
- Understood the implication of Complexity Theory in Quantum Computing and Cryptography.
- Prepared the final report in  $\text{\LaTeX}$  which is now under examination. //

## AWARDS AND ACHIEVEMENTS

2014	<b>AIR 1</b>	KVS Junior Mathematics Olympiad, with a record score of <b>92</b> out of 100
2012	<b>AIR 90</b>	NTSE Scholarship Examination, NCERT & Govt. of India
2014	<b>AIR 214</b>	KVPY-SA Fellowship Examination, IISc Bangalore
2016	<b>AIR 908</b>	JEE Advanced 2016, IIT-Guwahati
2013	<b>RMO</b>	Selected for <b>INMO-14</b> from Delhi Region
2014	<b>INJSO</b>	Amongst the top <b>36</b> merit students selected in Junior Science Olympiad
2016	<b>INAO-Sr</b>	Amongst the top <b>25</b> merit students selected in Astrophysics Olympiad

## MISCELLANEOUS

- Secretary at *Programming Club*, *Astronomy Club* and *Rubik's Cube Hobby Group*.
- Head-Web at Stamatics Organisation , IIT Kanpur.
- Well maintained profile on GitHub. Contributor at open source organisation Astropy and Python module pyperclip.
- Won the Astronomy event as a pool in Takneek-16.
- Among the few freshers to complete Programming Club's *Getting first PR merged* challenge.