

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

AISSE, CBSE: 10 CGPA

May 2014 | New Delhi, India

LINKS

Github:// [aniketp41](#)

LinkedIn:// [aniketp](#)

RELEVANT COURSES

Data Structures and Algorithms (i)

Discrete Mathematics (i)

Introduction to Programming

Introduction to Analysis

Linear Algebra & Differential Equation

(i : Ongoing Courses)

SKILLS

PROGRAMMING

Python • Javascript • C • C++

Familiar:

Haskell • SQL • Bash

WEB DEV / FRAMEWORKS

HTML5 • CSS3 • SCSS/Sass

Bootstrap • Django • Angular

OPERATING SYSTEMS

Kali Linux • LinuxMint • Ubuntu

Microsoft Windows

UTILITIES

Docker • MySQL • \LaTeX • Vim

Git

INTERESTS

Web Development

Python Scripting • Open Source

Combinatorics • Astronomy

EXPERIENCE AND PROJECTS

GYMKHANA NOMINATION PORTAL | SINCE MAY'17

Summer Project , Programming Club

- Created a web application for nominations of various posts of Gymkhana, IITK.
- Used Django along with Django-REST-Framework and PostgreSQL among other technologies for developing the backend.
- Implemented dynamic heirarchy level, search feature, notification and mail system in the backend API.
- Designed and tested the frontend using Bootstrap & SemanticUI .

COMPUTATIONAL COMPLEXITY THEORY | 2nd SEMESTER

ACA Semester Project under Prof. Rajat Mittal

- 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 \LaTeX which is now under examination.

AWARDS AND ACHIEVEMENTS

2014	AIR 1	KVS Junior Mathematics Olympiad, with a record score of 92 out of 100
2012	AIR 90	NTSE Scholarship Examination, NCERT & Govt. of India
2014	AIR 214	KVPY-SA Fellowship Examination, IISc Bangalore
2016	AIR 908	JEE Advanced 2016, IIT-Guwahati
2013	RMO	Selected for INMO -14 from Delhi Region
2014	INJSO	Amongst the top 36 merit students selected in Junior Science Olympiad
2016	INAO-Sr	Amongst the top 25 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.
- Maintain a blog at [homepage/blog](#) about Linux, Programming and VCS.
- Among the select freshers to complete Programming Club's *Getting first PR merged* challenge.