

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- 2020 (Expected)

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:// [aniketp41](#)

RELEVANT COURSES

Data Structures and Algorithms (i)
Discrete Mathematics (i)
Introduction to Programming
Introduction to Analysis
Linear Algebra & Differential Equation
Intro to Machine Learning (m)
(i : Ongoing Courses | m : Online 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 • SQLite • \LaTeX • Vim
Git

INTERESTS

Web Development • Open Source
Python Scripting • Wireless Security
Machine Learning • Combinatorics

EXPERIENCE AND PROJECTS

GYMKHANA NOMINATION PORTAL | SINCE MAY'17

Summer Project , Programming Club

- Developed a scalable web application for nominations of various posts of Gymkhana, IITK .
- Used Django along with Django-Rest-Framework and PostgreSQL for developing the portal.
- Implemented dynamic heirarchy levels, search feature, django-filter and multiple model versions in the backend API.
- Designed a Responsive User Interface from scratch using Bootstrap and jQuery.

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 ([link](#)) about Linux, Programming and VCS.
- Among the select freshers to complete Programming Club's *Getting first PR merged* challenge.