

Aniket Pandey

SECOND YEAR UNDERGRADUATE · MATHEMATICS AND SCIENTIFIC COMPUTING

Indian Institute of technology Kanpur

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Education

Indian Institute of Technology Kanpur

BACHELOR OF SCIENCE, MAJOR IN MATHEMATICS AND SCIENTIFIC COMPUTING

- Cumulative Grade Point / **CGPA: 7.7/10**

Kanpur, India

2016-2020 (Expected)

Kendriya Vidyalaya, R.K.Puram Sector-2

CBSE, ALL INDIA SENIOR SECONDARY CERTIFICATE EXAM

- Overall Percentage : **94%**

New Delhi, India

July.2014 - April.2016

Kendriya Vidyalaya, R.K.Puram Sector-2

CBSE, ALL INDIA SECONDARY SCHOOL EXAM

- Cumulative Grade Point / **CGPA: 10/10**

New Delhi, India

April.2013 - March.2014

Projects

Full Stack Web Development

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.

Kanpur, India

May. 2017 - July. 2017

Computational Complexity Theory

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 \LaTeX which is now under examination.

Kanpur, India

IInd Semester

Extra-Curricular Activities

Programming Club, IIT Kanpur

SECRETARY

- Helped in preparing the timeline for Pclub activities during the vacation.
- Coordinated with colleagues in Linux Install Fest and helped install various distros of Linux in students' laptops
- Conducted a lecture in basic python and web-scraping with the Coordinator of Programming Club

IIT Kanpur, India

April. 2017 - Present

Rubiks Cube Hobby Group, IIT Kanpur

SECRETARY

- Taught the basic algorithms of Speed Solving during Summer Camp.
- Learnt various techniques of Blind-folded cube solving

IIT Kanpur, India

April. 2017 - Present

Astronomy Club, IIT Kanpur

SECRETARY

- Helped in creating/testing Planetarium shows for Fresher students.

IIT Kanpur, India

April. 2017 - Present

- Given the task of maintaining StamatICS Web-page and typesetting Mathemania papers in \LaTeX

Honors & Awards

COMPETITIVE EXAMS

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|------|---|-----------------------|
| 2014 | All India Rank 1 , KVS Junior Mathematics Olympiad, with a record score of 92/100 | <i>KVS, India</i> |
| 2013 | All India Rank 1 , FIITJEE Talent Reward Examination, perfect score of 214/214 | <i>FIITJEE India</i> |
| 2012 | All India Rank 90 , National Talent Search Examination, NTSE Scholarship | <i>NCERT, India</i> |
| 2014 | All India Rank 214 , Kishore Vaigyanik Protsahan Yojana, KVPY Fellowship | <i>IISc Bangalore</i> |
| 2016 | All India Rank 908 , JEE Advanced, among 200,000 candidates | <i>IIT Guwahati</i> |

OLYMPIADS

- | | | |
|---------|---|----------------------|
| 2013 | Regional Mathematics Olympiad , Selected for INMO from Delhi Region | <i>HBCSE, Mumbai</i> |
| 2013 | Junior Science Olympiad , Among the top 35 merit students in INJSO | <i>HBCSE, Mumbai</i> |
| 2015,16 | Astrophysics Olympiad , Among the top 25 merit students in INAO-Sr , Twice | <i>HBCSE, Mumbai</i> |

Miscellaneous

- 2017 **Summer Camp**, Among the top **6** teams out to give final presentation in SnT Summer Camp
- 2017 **Blog**, Maintain a blog ([link](#)) about Linux, Programming and VCS.
- 2017 **Open - Source**, Contributor at open source organisation Astropy and Python module pyperclip.
- 2017 **PR Challenge**, Among the select freshers to complete PClub's *Getting first PR merged* challenge.
- 2017 **Takneek**, Won the Astronomy Trophy as a pool team in *Takneek-17*