

Aniket Pandey

SECONDS 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)

Honors & Awards

COMPETITIVE EXAMS

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

OLYMPIADS

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

Projects

Backend Web Development

STUDENT GYMKHANA, NOMINATION PORTAL

Kanpur, India

May. 2017 - July. 2017

- 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

ACA SEMESTER PROJECT

Kanpur, India

IInd Semester

- 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.

Extracurricular Activity

PoApper (Developers' Network of POSTECH)

CORE MEMBER & PRESIDENT AT 2013

Pohang, S.Korea

Jun. 2010 - PRESENT

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

PLUS (Laboratory for UNIX Security in POSTECH)

MEMBER

Pohang, S.Korea

Sep. 2010 - Oct. 2011

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.
- Conducted periodic security checks on overall IT system as a member of POSTECH CERT.
- Conducted penetration testing commissioned by national agency and corporation.

MSSA (Management Strategy Club of POSTECH)

Pohang, S.Korea

MEMBER

Sep. 2013 - PRESENT

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

Position of Responsibility

Programming Club, IIT Kanpur

IIT Kanpur, India

SECRETARY

Jul. 2012

- Helped in preparing the timeline for Pclub activities during the vacation.

Astronomy Club, IIT Kanpur

IIT Kanpur, India

SECRETARY

Jul. 2012

- Helped in preparing the timeline for Pclub activities during the vacation.

STAMATICS, IIT Kanpur

Seoul, S.Korea

HEAD WEB

Jul. 2012

- Helped in preparing the timeline for Pclub activities during the vacation.

Writing

A Guide for Developers in Start-up

Facebook Page

FOUNDER & WRITER

Jan. 2015 - PRESENT

- Drafted daily news for developers in Korea about IT technologies, issues about start-up.

AhnLab

S.Korea

UNDERGRADUATE STUDENT REPORTER

Oct. 2012 - Jul. 2013

- Drafted reports about IT trends and Security issues on AhnLab Company magazine.

Miscellaneous

2013 , 1st POSTECH Hackathon

S.Korea

2012 **Staff & Problem Writer**, JFF(Just for Fun) Hacking Competition

S.Korea