Aniket Pandey

Second Year Undergraduate • Mathematics and Scientific Computing

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 aniketp41 | in aniketp41

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
Intro to Machine Learning (*m*)
Set Theory & Mathematical Logic
Linear Algebra & Differential Eqns.
(*i* : Ongoing Courses | *m* : Online Courses)

SKILLS

PROGRAMMING
Python • Javascript • C • C++
CSS • Typescript • Shell

Familiar:
Java • SQL • Haskell

WEB/FRAMEWORKS
Django* • Angular • Bootstrap
Express.js with Node.js
(* : Proficient)

OPERATING SYSTEMS
Linux Mint • Arch Linux • Ubuntu
Kali Linux • Microsoft Windows

UTILITIES
Docker • MongoDB • LaTeX • Vim
Git • Aircrack-ng • Wireshark

INTERESTS

System Administration • Open Source
Web Development • Wireless Security
Python/Shell Scripting • Cryptography

EXPERIENCE AND PROJECTS

GYMKHANA NOMINATION PORTAL | May'17 - July'17
Summer Project , Programming Club
- Developed a scalable web application for nominations of various posts of Gymkhana, IITK
- Used Django along with Django-Rest-Framwork and PostgreSQL for developing the portal
- Implemented dynamic heirarchy levels, search feature, django-filter and multiple model versioning in the backend API
- Designed a Responsive User Interface from scratch using Bootstrap and jQuery

SENIOR WEB EXECUTIVE | April'17 - March'18
Stamatics, Departmental Association
- Developed and deployed the responsive website of Stamatics in **Angular** with a custom domain name *stamatics.org*
- Dockerized the site and maintained the backend with real-time databasing

Antaragni'17 & Techkriti'18
- Used the full MEAN Stack for a fest registration portal, dynamic website and its admin control panel
- Technologies Used - NodeJS, AngularJS, MongoDB, ExpressJS and more

COMPUTATIONAL COMPLEXITY THEORY | 2nd 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

AWARDS AND ACHIEVEMENTS

2014	**AIR 1**	KVS Junior Mathematics Olympiad, with a record score of **92**/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
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, Programming Club
- Organized a lecture on Python and Web-Scraping for peer students
- Helped install various distos of Linux in students' laptops during Linux Install Fest
- Among the select freshers to complete Programming Club's *Getting first PR merged* challenge

Hall Captain, Takneek 2017
- Led the pool to victory in the Inter-hostel technical competition, *Takneek*
- Also won the maiden trophy of Astronomy and Programming

Hobbies/Citations/PORs
- Secretary of *Programming Club, Astronomy Club & Rubik's Cube Hobby Group*
- Cited in The Journal of Open Source Software(JOSS) for contributing to Astropy™
- Maintain a blog (*link*) about Linux, Programming and VCS