Amit Yadav

Second Year Undergraduate · Computer Science and Engineering
Indian Institute of Technology Kanpur

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Education

Year	Degree	Institute	CGPA/%
2016-2020	B.Tech CSE	Indian Institute of technology Kanpur	8.4
2016	Class Xll	RPS Sr. Sec. School, Mohindergarh, Haryana	96.4%
2014	Class X	RPS Sr. Sec. School, Mohindergarh, Haryana	10.0

Honors and Rewards

2016   **All India Rank 429** Joint entrance Exam Mains, 1.5 million candidates   *India*

2016   **All India Rank 497** Joint Entrance Exam Advanced, 200,000 candidate   *India*

2016   **KVPY Fellowship Awardee** Indian Institute of Science, Bangalore   *Bangalore*

2016   **All India Rank 36** National Entrance Scholarship Test, NISER   *Bhubaneswar*

2014   **National Talent Search Examination(NTSE) Scholarship Awardee (two times)**   *India*
      Government of India

2017   **Institute 1st rank in CHAOS, Techkriti** Coding in unknown language   *IIT Kanpur*

Projects

Remote Shell Access Service
Kritsnam Technologies   *December 2017- Present*
                                            IIT Kanpur

- Built a remote shell access service for linux to access a remote pc through ssh.
- Used **Autossh** to create reverse ssh tunnel as soon as our pc gets access to network.

Ethical Hacking
Programming Club   *May-July 2017*
                                            IIT Kanpur

- Learnt and practiced buffer/stack overflows, Assembly language, **gdb** debugging.
- Participated in two CTFs and led the team to winning by solving problems in minimum time.

Solar Intensity Follower
Robotics Club   *December 2016*
                                            IIT Kanpur

- Made a device to turn solar panels in the direction of maximum sunlight using *Arduino UNO.*
- Adjudged as one of the best projects, while being a freshman.

Natural Language Processing
Association of Computing Activities   *2nd semester*
                                            CSE Dept. IIT Kanpur

- Used Machine Learning to classify IMDb reviews into positive or negative.
- Achieved **84% accuracy** using **Naïve-Bayes Classifier** on a test set other than training set.
- Currently working on improving accuracy of algorithm and exploring *numpy, scipy, pandas, matplotlib* and *sklearn* libraries.

Extracurricular Activity

Senior Executive Hospitality Techkriti'18   *November 2017-Present*
- Responsible for decent participation and smooth conduction of IIT Kanpur's annual **technical** festival, Techkriti.
- Also managing accommodation and transportation of over 2,500 candidates..

Senior Executive Academic Research Cell   *August 2017 - Present*
- Responsible for encouraging research activities in the campus by conducting talks and workshops.
- Working on organizing Student Research Convention to bring researchers and students under one roof.

Show Management and Events Executive Inter IIT TechMeet'17   *March 2017*
- Planned all the events and contributed in fair conduction of the event with over 1,500 participants.

Skills

Programming	C/C++, Python, Assembly, Javascript, Matlab/Octave
Operating Systems	Linux, Windows
Utilities	Vim, LaTeX, Linux Shell Utilities, Git, GDB, Autodesk Fusion, Arduino Programming, Flask and django(begginer)
Course work	Introduction to Computing, Discrete Mathematics, Abstract Algebra, Logic in Computer Science, Data Structures and Algorithms

Interests

- Machine Learning
- Natural Language Processing
- Robotics