

Kaushal Jyanni

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EDUCATIONAL QUALIFICATIONS

Year	Degree/Certificate	Institute	CGPA/Percentage
2019 (Expected)	B.Tech	Indian Institute of Technology, Kanpur	7.2
2015	AISSCE (CBSE)	Shiv Jyoti Sr. Sec. School, Kota	85.6%
2013	AISSE (CBSE)	D.A.V. Public School, Kota	10.0

ACHIEVEMENTS

- Appointed as **Student Research Associate** at IIT Kanpur for the period May'16 to July'16.
- Secured **All India Rank 649** in **JEE Advanced 2015** among **1.5 lakh** candidates
- Conferred with the prestigious **Kishore Vaigyanik Protsahan Yojana (KVPY)** scholarship in **2014**
- Secured **Statewise Top 1 %** (Rajasthan) in **National Standard Examination in Chemistry 2015**

WORK EXPERIENCE

- Dynamic Data Scraping Of Cricket Statistics** May - July 2017
Software Engineering Intern, SeeHow
 - Created a web app to scrape data and query from BCCI, ICC and IPLT20 websites
 - Used Python **Selenium** library for scraping bowlers' speed statistics data
 - Developed the webapp on Python **Flask** framework and used **SQLite3** database
 - Integrated Google Drive **APIs** to sync the data between Google Drive and local database
- Progress Monitoring Dashboard** May - July 2017
Software Engineering Intern, SeeHow
 - Built an interactive dashboard to monitor Machine Learning algorithms' progress overtime
 - Used **Flask** for the back end and **MySQL** database for storing data and query system
- Poisson Equation Solver** May - July 2016
JR. RESEARCH ASSOCIATE, PROF. M. K. VERMA
 - Implemented 3-Dimensional Multigrid Solver for Poisson Equation using **Parallel Programming** techniques in **CUDA**
 - Used Thrust **CUDA** Library and implemented Jacobi Iterator method
 - Achieved a **performance boost of 80x** over the previous serial code implementation

PROJECTS

- N-Body Simulation** Jan - May 2016
Association for Computing Activities
 - Simulated the movement of over 40,000 particles in a multiple object gravity field systems
 - Used **parallel computing** techniques in **CUDA** along with **OpenCV**

TECHNICAL SKILLS

- Programming languages** : C, C++, CUDA C/C++, Python, Bash, HTML, CSS, Javascript
- Tools**: Git, Vim, LATEX, SQL, OpenCV, R, Octave

RELEVANT COURSES

- Computers**: Operating Systems(*), Theory of Computation(*), Introduction to Machine Learning(*), Data Structures and Algorithms, Computer Organization, Fundamentals of Computing, Introduction to Logic, Computing Laboratory I (*) : ongoing courses
- Mathematics**: Linear Algebra and ODE, Discrete Mathematics, Probability and Statistics

POSITION OF RESPONSIBILITY

- Student Guide**:
 - Guided 6 freshmen to help them cope with academic and personal challenges
 - Assisted in organizing Orientation Programme 2016 for over 800 freshmen

