

## EDUCATIONAL QUALIFICATIONS

Year	Qualification	Institute	CPI/%
2018 (expected)	B.Tech, Electrical Engineering	Indian Institute of Technology, Kanpur	9.4/10.0
2014	Class XII (CBSE)	Delhi Public School, Varanasi	92.0%
2012	Class X (ICSE)	St. John's School, Varanasi	95.4%

## SCHOLASTIC ACHIEVEMENTS

- National Talent Search Exam (**NTSE**) : scholarship awarded to **500 students** all over India 2010
- Academic Excellence Award** : among **top 10%** CPI holders in a batch of 800 students in IIT Kanpur 2014-15, 2015-16
- Outstanding Freshman** : selected among 800 students for scholastic, leadership and sporting excellence 2014

## INTERNSHIPS

**UpGrad, Mumbai** : *Content Consulting Intern* (May - Jul '17)

<b>Aim</b>	<ul style="list-style-type: none"> <li>To review current course pedagogy and <b>suggest improvements</b> in ongoing teaching practices</li> <li>To <b>design</b> a programming course, as a prerequisite for a more complex module to follow</li> </ul>
<b>Methodology</b>	<ul style="list-style-type: none"> <li>Consolidated over <b>650 research papers</b> by identifying leading journals by <b>median h-index</b></li> <li>Formulated <b>7 categories</b> of contemporary research in online learning for classification of papers</li> <li><b>Catalogued</b> research papers according to conceived categories and <b>summarised key findings</b></li> </ul>
<b>Achievements</b>	<ul style="list-style-type: none"> <li>Derived over <b>30 implementable changes</b> in pedagogy for subsequent execution</li> </ul>

**Chaayos, Gurgaon** : *Business Development Intern* (Jun - Jul '15)

- Worked in an **early stage startup**, responsible for the operations of the **hyperlocal tea delivery** vertical
- Designed workflows** for improving efficiency inside delivery outlets for a workforce of 20+ employees
- Built a **new tracking model** to optimise delivery performance in the absence of existing solutions

## POSITIONS OF RESPONSIBILITY

**Chief Editor/Editor, Vox Populi** (*Student journalism body, IIT Kanpur*) (Mar '16 - Present)

<b>Leadership</b>	<ul style="list-style-type: none"> <li>Leading a two tier team of <b>50 members</b> to cover campus and student issues</li> <li>Selected as the <b>only Chief Editor</b> for the <b>first time</b> in the history of the body</li> </ul>
<b>Initiatives</b>	<ul style="list-style-type: none"> <li>Conceptualised and executed a <b>day by day multimedia coverage</b> of the Inter IIT Sports Meet '16</li> <li>Introduced a <b>regular section</b> for alumni connect, faculty research updates and creative writing</li> <li>Initiated <b>collaborations</b> with Photography Club and Film Club to increase frequency of content delivery</li> </ul>
<b>Achievements</b>	<ul style="list-style-type: none"> <li>Implemented the <b>reorganisation</b> of Vox Populi to include a <b>7 member editorial board</b></li> <li>Increased reach of Facebook page by <b>15%</b> in 5 months ; Published the print edition in a new format</li> <li>Instrumental in transition from the status of a <b>club to cell</b>, resulting in greater autonomy</li> </ul>

**Senator, Students' Senate** (*Highest legislative body run by students*) (Mar '15 - Mar '16)

- Elected** by and responsible for representing a batch of 800 sophomore students
- Member**, Rules and Procedures Committee : responsible for modifying the students' gymkhana constitution

## PROJECTS

**Indian Institute of Management (IIM), Bangalore** (May - Jul '16)

- Basel Regulations and Credit Risk Management
  - Analysed **Value at Risk, Expected Shortfall**, blueprints for calculating **Risk Weighted Assets**
  - Implemented **Merton's Model in R** and examined other credit risk models like **Moody's KMV, CreditMetrics**
- Bankruptcy Exemption for Repo Markets
  - Explored regulations that guide **repo market borrowing** and restrictions on liquidation of assets
  - Developed **MATLAB** based numerical simulation of a model of funding liquidity and bankruptcy exemption

## EXTRA-CURRICULAR ACTIVITIES

<b>Music</b>	<ul style="list-style-type: none"> <li><b>Senior Diploma</b> in Hindustani Classical Vocal Music, Prayag Sangeet Samiti</li> <li>Proficient <b>bamboo flute</b> player ; Performed during the Freshers' Cultural Performance, 2014</li> </ul>
<b>Debating</b>	<ul style="list-style-type: none"> <li>Participated in debates at IIT Delhi, NLU Lucknow, Presidency College as part of the <b>institute team</b></li> <li><b>Semi-finalist</b>, Parliamentary Debate, Antaragni '15, IIT Kanpur</li> <li><b>First</b>, Parliamentary debate, Cultural Extravaganza '16 organised by Cultural Council, IIT Kanpur</li> </ul>
<b>Sports</b>	<ul style="list-style-type: none"> <li><b>First</b>, 10K cycling race, Games and Sports Council, IIT Kanpur</li> <li>Former member, IIT Kanpur swimming team</li> </ul>
<b>Blogging</b>	<ul style="list-style-type: none"> <li>Chronicling life experiences and passions like <b>horology</b> and <b>photography</b> on <a href="http://lifeofsimrat.com">lifeofsimrat.com</a></li> </ul>
<b>Mentorship</b>	<ul style="list-style-type: none"> <li>Guided 8 freshman as a <b>Student Guide</b>; Provided <b>academic assistance</b> to the entire junior batch</li> </ul>
<b>Online courses</b>	<ul style="list-style-type: none"> <li>Completed <b>6 online courses</b> (certified) including Gamification, Exploratory Statistics in R</li> </ul>