

Please share highlights about your professional achievements and in your assessment, what differentiated you among your peers. *

Over the past two years in IITK I have excelled in academia, apart from that I play Badminton for the institute Badminton team which represents IITK in inter-IIT tournaments. As mentioned, I am also the first coordinator of Finance & Analytics Club, which recently got promoted from hobby group to club. I have seen growth in every field, and I'm proud of it. I have also taken part in many social activities and have held many managerial positions. I can say that I have learnt as much as outside the classrooms as inside them.

What have you been deeply passionate about and why? (don't make up an answer if there isn't anything in specific) *

I am passionate about writing. I write my journals daily since last five years. I started it to practise and improve my English for the SAT, but now I enjoy writing them, and it has become an integral part of my life. It helps me in assessing what I did the previous day, for how much time I studied, played, or just wasted. Moreover, by this, I get to know my growth and progress, sometimes I write about what I feel, just a way to vent out my anxiety, anger or stress. In this fast life, I can get 20 minutes out every day to sit back and analyse about myself. With this, I aspire to write a novel in a distant future.

When you committed yourself to something you were passionate about, what was the outcome in terms of results and learning? *

I got an excellent opportunity to work under professor Suman Saurabh on a project that dealt with Financial Constraint of various firms.

In the beginning, I didn't know anything about financial constraints, and upon that, I have to analyse the data from more than 400 annual reports. But, I was passionate to learn and with time and

efforts, I learnt about various types of delays in investment showed by firms (equity, debt and private placement). I collected and analysed more than 400 annual reports. Later, I calculated the delay index for each type using natural language processing tools and cosine similarity. The conclusions, based on the calculated index, were very subtle that most of the young firms in India are more dependent on debt rather than equity or private-placement.

What do you value above everything else and why? *

I value my morals and principles above everything else as I believe this is what makes you a responsible man, citizen or employee. I also think that having these qualities make you a social human being with good relationships with his colleagues, friends, family and society.

Tell us about one strength of yours which most colleagues, friends or family members will talk about you. *

I am very persistent about anything I do. I think everyone who knows me will agree upon this fact. Being persistent helps you to get focused on your goals no matter what the situation is. All these years, this quality helped me always to think straight, work hard and consistently in a given direction and ultimately, it helped me in achieving my objectives in life.

Recall a time when you faced a challenge, setback, or a failure. How did it affect you, and what did you learn from that experience? *

Getting admission in IITs in India is seen as a significant achievement in middle-class families. I was too pleased about it, and it was a dream come true. During my first semester, I was overwhelmed by the new social environment, all the kinds of stuff that

IIT Kanpur has to offer me. That affected my SPI, and I scored poorly. I still remember that day when I opened the mail, which had my grades. I was on a trip with my parents. I somehow called my best friend and talked to him what should we do next, how to fix this grave blunder.

One thing I knew for sure that it would take time to recover and I have to work for it, and nobody else will do it for me. With hard work and some sacrifices, I have seen an increase in my SPI with every single semester.

This experience affected me very positively, and it restored my lost confidence. I learnt that we could achieve anything with hard work and consistency. How to keep a balance in your life and not procrastinate about what went wrong, it's gone for good, how to be flexible and tackle the situations around yourself. Overall I feel excellent about it.

Describe the most important piece of constructive feedback that you have received. Please detail the circumstances and your response following it. *

When I came to IIT Kanpur, I applied to be in the institute team. There were 15 of us who were selected, and the coach said that he would take the best amongst us in the squad after two semesters. I was not good with the skills especially "tossing the shuttle", which is hitting the shuttle from one end of the court to another. Since I was the weakest, I usually lost all the matches played among other trainees. Still, coach Ravi never treated me like a weak player, he always told me about the correct way of handling the racket, wrist movement, smashes, toss and many more. He even criticised me when I was not able to do something correctly. I, under his guidance, worked hard, also went to the gym on winter mornings to build my strength and stamina. After two semesters, I got selected in the team and attended the summer camp. He made me

understand that sheer will and complete focus are necessary for the game, and I will only be able to inherit them if I apply that to every aspect of my life. His words helped me to excel in my academics and of course, badminton.

Please share anything else about your candidature, which is not yet represented, that you would like us to note.*

"Managerial"

Department Under Graduate Committee Nominee, Chemical Engineering (2020-21)

Objective: Advise students about their curriculum and academic opportunities in the Chemical Engineering Department and monitor the progress of academically weak students and handle any academic problem faced by students.

Initiatives: Organise industrial trips and programming sessions for 150+ students to benefit them in core opportunities and offering core projects in a way that is time effective for professors & bridges the gap between students and department.

"Social"

Guided and mentored four first-year students in acclimatising to the environment of the institute. Helped them with their academics by arranging meetings with their mentors and maintaining a good rapport. Successfully organised Orientation Program for 900+ first-year students working in a team of 175 student guides.

"Extra-Curricular"

- 1.) Won a Silver Medal at inter hall badminton competition (Inferno), 2019
- 2.) Current #1 on the leaderboard in Equity Portfolio Management competition AlphaBeta League conducted by AlphaBeta
- 3.) Completed Hacktober Fest 2019, created a plugin for a personal assistant for macOS/LINUX telling user's current location

Please share highlights of your academic achievements including any external certifications or scholarships that you would like us to note. Tell us about moments in your academic history that give you a sense of accomplishment. *

I attended VIJYOSHI CAMP, mentored by Nobel Laureates, conducted by IISc Bangalore, 2016

I was awarded Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship, DST, Government of India, 2015

I achieved 11th rank in Indian National Earth Science Olympiad, Geological Society of India, Govt. of India, 2015

I qualified the first stage of the National Talent Search Examination (NTSE), NCERT, Government of India, 2015

I attended Training Camp of Indian National Earth Science Olympiad, Geological Society of India, Govt. of India, 2015

Let us know about any niche skills or advanced knowledge in a subject that would be relevant to this internship. *

Chemical Core Courses: Chemical Engineering Thermodynamics, Fluid Mechanics, Chemical Processes Industries, Process Calculation

I have completed course assignments which involved calculating Critical temperature of a substance using various equations of states on MATLAB. I also have significant experience in competitive coding, machine learning and neural network. Other programming languages I'm comfortable with are C++, python.

Please share details about any formal work experience including organization name(s), your designation, responsibilities and tenure. (Please do not include internships or extra curricular activities here)*

Coordinator, Finance & Analytics Club (2020-21)

Leadership:

1.) I am currently leading a team of 25 members, managing Facebook group of 2.1 thousand members & a budget of 95K to promote finance and analytics in the campus

2.) Conducted projects, discussion talks, seminars and workshops on various fields in finance and analytics for the campus community

Initiatives:

1.) Organised month-long workshop on Algo Trading, ML in Finance & Derivative Markets, 600+ participated

2.) Organised five, 2-month long summer projects on various innovative methods and techniques in finance like Fundamental & Technical analysis of stocks, Mean Reversion Trading Strategy, Black Scholes model to predict the price of a vanilla option, Image processing in Finance.

Please share details about any internships including organization name(s), project details and duration.(Research work or projects can be included)*

Text-Based Analysis of Financial Constraints (Prof. Suman Saurabh, IME Department, IIT Kanpur), Jul'20- Ongoing

I explored the Financial Constraints and methods to analyse the financial constraint index using cosine similarity.

Using NLP techniques like Tokenisation, Lemmatisation, processed over 400 machine-readable annual reports of firms.

Later, I differentiated between equity, debt and private-placement focused delay of investment by finding specific words in data.

The conclusions were very subtle that most of the young firms in India are more dependent on debt rather than equity or private-placement.

Please share details about any internships including organization name(s), project details and duration. (Research work or projects can be included)*

RNA Gene Expression Data Analysis using PCA (Self Project), Jun'20-July'20

Identified the Adenocarcinoma tumour and removed Neuroendocrine tumour using PCA(Principal Component Analysis)

Applied K-Means Clustering algorithm to analyse the effect of different variables in dataset on patient's histology

Please share details about any internships including organization name(s), project details and duration. ((Research work or projects can be included)*

Website Dev. of Chemical Engineering Dept. (Prof. Rahul Mangal, Chemical Engineering, IIT Kanpur), Aug'19-Feb'20

Revamped existing Website of Department of Chemical Engineering, IIT Kanpur using HTML and CSS

Designed the Front-End keeping in mind the user interactivity with the website and hence improving user experience

Nomura questions I asked

How does a typical day of an intern look like or what are his day-to-day activities?

If I get this internship, what should I do to be successful at my position and how to measure it?

What is the most challenging aspect of the job?

Is there anything specific you are willing to see in a resume?

