

EDUCATIONAL QUALIFICATION			
Year	Degree	Institution	Score
Present	B.Tech. Chemical Engineering	Indian Institute of Technology Kanpur	7.6 CPI
2017	AISSCE	Nalanda Academy, Kota	85.4%
2015	AISSE	S.R. Public School, Kota	10.0/10.0
SCHOLASTIC ACHIEVEMENTS			
<ul style="list-style-type: none">Attended VIJYOSHI CAMP, mentored by Nobel Laureates, conducted by IISc BangaloreAwarded Kishore Vaigyanik Protsahan Yojana (KVPY) Fellowship, DST, Government of IndiaAchieved 11th rank in Indian National Earth Science Olympiad, Geological Society of India, Govt. of India.National Talent Search Examination (NTSE) first stage qualified, NCERT, Government of India			<div>2016</div> <div>2015</div> <div>2015</div> <div>2015</div>
PROJECTS			
<ul style="list-style-type: none">Text Based Analysis of Financial Constraints (<i>Prof. Suman Saurabh, IME Department, IIT Kanpur</i>)<ul style="list-style-type: none">Explored about the Financial Constraints and methods to analyse financial constraint index using cosine similarityUsed NLP techniques like Tokenisation, Lemmatisation, processed over 400 machine-readable annual reports of firmsDifferentiated between equity, debt, private-placement focused delay of investment by finding specific words in dataStock Price Prediction using LSTM network (<i>Self Project</i>)<ul style="list-style-type: none">Optimised an LSTM network to predict stock prices using Convolutional 1D layer, Bidirectional LSTM and Dense LayersImproved the mean absolute error form 0.94 using only LSTM network to 0.66 working of seven years of dataRNA Gene Expression Data Analysis using PCA (<i>Self Project</i>)<ul style="list-style-type: none">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 histologyTrading Strategies & Backtesting (<i>Sachin Angural, Finance Discussion Group, IIT Kanpur</i>)<ul style="list-style-type: none">Learnt about various strategies like Momentum & Pairs Trading, various KPIs and Technical IndicatorsUsing historical data, formulated strategies to optimise a portfolio by backtesting using PythonWebsite Dev. of Chemical Engineering Dept. (<i>Prof. Rahul Mangal, Chemical Engineering, IIT Kanpur</i>)<ul style="list-style-type: none">Revamped existing Website of Department of Chemical Engineering, IIT Kanpur using HTML and CSSDesigned the Front-End keeping in mind the user interactivity with website and hence improving user experience			<div>Jul'20- Ongoing</div> <div>Jun'20-July'20</div> <div>Jun'20-July'20</div> <div>Dec'19-Jan'20</div> <div>Aug'19-Feb'20</div>
TECHNICAL SKILLS			
Programming: C, C++, Python, MATLAB, R Databasing: MySQL Utilities: Git, AutoCAD, HTML, CSS, Javascript, MS-Excel			
RELEVANT COURSES			
<i>*online courses</i>			
Chemical	Chemical engineering Thermodynamics, Fluid Mechanics, Process Calculations		
Engineering	Computational Methods in Programming, Manufacturing Processes (I and II), Introduction to Electronics		
Others	Fundamentals of Computing, Linear Algebra & Differential Equations, *Practical Time Series Analysis, *Mathematics for ML, *Sequence Models, *NLP in TensorFlow, *Equity Portfolio Management		
POSITION OF RESPONSIBILITY			
Coordinator, Finance & Analytics Club (2020-21)			
Leadership	<ul style="list-style-type: none">Lead a team of 25 members, managed FB group of 2.1K members & a budget of 95K to promote financeConducted projects, discussion talks, seminars and workshops on various fields in finance and analytics		
Initiatives	<ul style="list-style-type: none">Organised month long workshop on Algo Trading, ML in Finance & Derivative Markets, 600+ participatedOrganised five, 2-month long summer projects on various innovative methods and techniques in finance		
Student Guide, Counselling Service Team (2019-2020)			
<ul style="list-style-type: none">Guided and mentored 4 freshman students in acclimatising to the environment of the instituteSuccessfully organised Orientation Program for 900+ freshmen working in a team of 175 student guides			
Badminton Secretary, Games & Sports Council (2019-2020)			
<ul style="list-style-type: none">Conducted two badminton leagues and one inter hostel tournaments to promote badminton in the campus			
EXTRA CURRICULARS			