

ACADEMIC QUALIFICATIONS			
Year	Degree/Certificate	Institute	CPI/%
2022 - 2026	B.S SDS	Indian Institute of Technology, Kanpur	9.21/10.0
2022	Andhra Pradesh Board (XII)	Sri Chaitanya Junior College, Vijayawada	98.3%
2020	Andhra Pradesh Board(X)	A P R School of Excellence, Kodigenahalli	98%

SCHOLASTIC ACHIEVEMENTS	
<ul style="list-style-type: none">Conferred with the Academic Excellence Award(twice) by IIT Kanpur for outstanding academic performance<i>2022-Present</i>Achieved A* grades in Data Structures and Algorithms, Introduction to Machine Learning, Time Series Analysis, Fundamentals of Computing - I, Linear Algebra, and Engineering Graphics <i>2022-Present</i>Secured All India Rank 1827 in JEE Mains 2022, conducted by NTA among 1 million potential applicants <i>2022</i>Secured All India Rank 4337 in JEE Advanced 2022, standing out among 1.6 lakh shortlisted candidates nationwide <i>2022</i>Secured Rank 198 in TS Engineering, Agriculture & Medical Common Entrance Test among 170K applicants <i>2022</i>Secured Rank 247 in AP Engineering, Agriculture & Pharmacy Common Entrance Test among 200K applicants <i>2022</i>	

COMPETITIVE PROGRAMMING	
<ul style="list-style-type: none">Competent in programming with maximum ratings: 1683 (expert) on Codeforces (SKumar)Secured a commendable global ranks of 120 in <i>Codeforces Round 970</i> and 203 in <i>Codeforces Round 950</i>	

KEY PROJECTS	
Decoding Boat Lifestyle <i>Course Project, MTH208, Prof. Dootika Vats, MTH Dept.</i> 📍	(Aug'23- Nov'23)
<ul style="list-style-type: none">Executed a Data Science project on boat lifestyle involving advanced data cleaning and web scraping in R and PythonDeveloped an interactive Shiny app using consumer electronics data to enhance consumer decision-making efficiencyAnalyzed extensive consumer electronics data to uncover key trends, strategic pricing and marketing tactics at Boat LifestyleDemonstrated expertise in data analysis and visualization, supporting well-informed decision-making processes	
Mini Project - I <i>Course Project, CS771, Prof. Piyush Rai, CSE Dept.</i> 📍	(Aug'24 - Nov'24)
<ul style="list-style-type: none">Developed binary classification models for three distinct datasets: emoticons as features, deep features, text sequencesExplored various models and feature extraction techniques, optimizing performance by varying training dataset sizeAchieved 98.57% accuracy using Deep Neural Network on Emoticons, 98.77% accuracy using Logistic Regression with PCA on Deep Features, and 92.02% accuracy using DNN with Two-Char One-Hot encoding on Text Sequence, 98.77% accuracy using Logistic Regression with PCA on Combined dataset <i>with a constraint of 10,000 parameters</i>	
Mini Project - II <i>Course Project, CS771, Prof. Piyush Rai, CSE Dept.</i> 📍	(Aug'24 - Nov'24)
<ul style="list-style-type: none">Developed an incremental learning framework using 20 CIFAR-10-derived datasets with uniform(Task-I) and non-uniform(Task-II) input distributions, effectively addressing continual learning challenges and reducing catastrophic forgettingExtracted features using ResNet-152 model, enhancing representation and accuracy across varying dataset distributionsEmployed the Learn with Prototypes (LwP) classifier with Euclidean distance and pseudo-labeling to train models iterativelyAchieved T-1 accuracies of 88-91% and T-2 accuracies of 72-86%, demonstrating effective adaptation across distribution shifts	
Raga Detector <i>Self Project.</i> <i>View on Kaggle</i>	(Feb'24 - Mar'24)
<ul style="list-style-type: none">Engineered a neural network model for detecting Indian music ragas by leveraging deep learning techniques in PythonExtracted Mel-Frequency Cepstral Coefficients and other essential features using librosa for precise data preprocessingAchieved a notable test accuracy of 94.1% through meticulous model training and evaluation using TensorFlow and Keras	

TECHNICAL SKILLS			
Programming Languages	Software and Libraries	Utilities and Tools	Miscellaneous
C, C++, Python, R	NumPy, Pandas, Beautiful Soup, Ggplot2, Tidyverse, Dplyr, Rcpp	TensorFlow, SkLearn, Shiny, Profvis, GitHub, R Quarto	OOPS, Git, L ^A T _E X, Colab, AutoCAD, Jupyter, RStudio

RELEVANT COURSES			**Exceptional (A*) *Excellent (A)
Data Structures and Algorithms **	Time Series Analysis **	Introduction to Machine Learning **	
Fundamentals of Computing - I **	Data Science Lab - I *	Linear Regression & Anova	
Linear Algebra ** & Differential Equations*	Introduction to Electronics *	Introduction to Probability Theory	
Statistical Computing	Theory of Statistics*	Elementary Stochastic Processes - I *	

POSITIONS OF RESPONSIBILITY	
Academic Mentor <i>Counseling Service, IIT Kanpur</i>	(2023-24)
<ul style="list-style-type: none">Spearheaded a team of 33 students in mentoring over 1200 peers through programming courses at IIT KanpurOrganized and delivered preparatory classes, offering proactive academic support to significantly elevate student performance	

EXTRA-CURRICULAR ACTIVITIES	
<ul style="list-style-type: none">Successfully completed a rigorous 10-day Naval Camp in August 2017, followed by an examination in 2018, leading to the prestigious attainment of an A-grade NCC certificate	