



EDUCATION:

PROGRAM	INSTITUTION	CGPA / %	YEAR OF COMPLETION
B-Tech in Metallurgical and Materials engineering	Indian Institute of Technology Madras	6.89	2025
Class XII, TS Board	Krishnaveni junior college, Kothagudem, TS	91.7%	2020
Class X, TS Board	Tstwres School of Excellence, Yetapaka BC, TS	8.8	2018

SCHOLASTIC ACHIEVEMENTS:

- Secured All-India Category Rank 702 in JEE ADVANCED
- Awarded National Fellowship and Scholarship from Central Government of India

COURSE WORK & Skills:

Introduction to Programming (CS1100)	Data Analysis with Python
Supervised Machine learning, Regression&Classification(Stanford university)	Data Science Methodology
Technical Skills	
- Languages & Libraries : C, C++, Python, Java(basics), HTML , CSS (basics), Java script (basics), Pandas, NumPy, Matplotlib - Tools : Latex, AutoCAD , GitHub, Git, Jupyter notebook ,MS Excel, Google Colab, PyCharm, Seaborn	

PROFESSIONAL EXPERIENCE:

Student sites & Freshies Websites IITM	(Nov 2022 to June2023)
- Developed Institute Student Sites website using Astro as frontend, Fastify as backend and Prisma-client with MySQL database. Used turborepo to build and manage the packages. - Used Astro framework for the development of IITM student fresher's website, which include all the information regarding courses, departments, Insti-tour, scholarships	
A Weather Query App	(April 2022)
- Built a basic weather app Based on Django web framework using HTML for the front end and python for backend - Uses Python requests to call open weather map api for each query&API-key needed for the job is taken from Openweathermap.org website - The app provides the weather details (Temperature,Pressure, Humidity and Weather description (cloudy, sunny) when searched for city.	

PROJECTS:

Covid – 19 Data Visualization Project using Python	(December, 2021)
Data Pre-Processing of day-wise Covid 19 cases of various regions by dropping cases in between a set of dates - Employed Data Visualization and analysis based on the day-wise data of covid 19 cases all over the world - Used Matplotlib and Plotly to plot charts for Country -wise, date-wise and Continent-wise covid cases	
Car Price Prediction	(June, 2022)
- Applied Data Cleaning, Feature Engineering, Outlier Detection and Removal and Visualized data with Matplotlib on a Sufficiently large Vehicle Dataset - Employed Train Test Split on the data and Model Building with Linear and Lasso Regression - Achieved R squared Error of 0.83 using Linear Regression and 0.87 using Lasso Regression model	
Loan Default Prediction	
- Employed Machine Learning on loan data for predicting whether a loan will go default or not for a customer - Conducted Data cleaning, Feature Selection and predicted the features which are strongly co-related to output - Analyzed all the classification algorithms and predictions are 95% accurate using the Naive Bayes mode	

ORGANIZATIONAL LEADERSHIP- **Hostel Affairs Secretary, 2023-2024, Narmada Hostel** (July '23-may'24)

Health and Hygiene Secretary, Narmada Hostel	Elected by an electorate of 400+ students to ensure safety and manage stakeholders In charge of improving hygiene and encouraging healthy practices to minimize infectious diseases Managing INR 7 lakh budget for hostel mates' well-being through diverse initiatives Ideate and organize various events conducted in the Hostel in collaboration with the other BOS
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POSITIONS OF RESPONSIBILITY:

Institute Web-Operations Team Coordinator	(August 2022 to April 2023)
- The team was big with two cores, four super coordinators and fifteen coordinators - Part of 19 Members team Working with different frameworks, technologies and mini-projects in web development. Responsible for designing and maintaining the institute websites (Students IITM, Research Portal, Institute Maps)	
Committee for Monitoring General Facilities for Students Coordinator	(June 2022 to April 2023)
- By conducting inspections, ensuring that the general facilities are kept to the highest standards of hygiene, quality, and quantity - The responsibility for bringing in new enterprises, ensuring that the institute has a variety of establishments, and negotiating with vendors	
Saarang Facilities and Requirements Coordinator	(September 2022 to May 2023)
- Managing a 0.1-million-dollar budget to support the requirements of 11 additional teams in SAARANG - Optimizing resources for a festival with over 70,000 attendees that runs smoothly - I was able to develop my time management and money optimization skills despite Saarang being online	
Sports Organizing Committee Facilities and Requirement Coordinator	(August 2022 to April 2023)
- Dealing with thousands of people in every offline sports event in the form of participants, spectators and chief guests - Established a facilities hub to give all advanced sports-related equipment to the students of IIT Madras	
IITM TV Assistant Content Creator	(February 2023 to current)
- Conducted workshops and competitions like Portrait Photography Workshop, Photo Marathon and Film Editing Competition - Learnt how to use Lightroom and Premiere Rush, and made media club posters for special occasions	

EXTRACURRICULAR ACTIVITIES:

- Selected to volleyball team for inter IIT-Meet 2022
- Winners of the IIT Madras Gymkhana volleyball tournaments for the Cauvery hostel & METSA-Organized MPL volleyball champions.
- Selected and completed National Sports Organization (NSO) for volleyball conducted by IIT Madras