



EDUCATION & SCHOLASTIC ACHIEVEMENTS

PROGRAM	INSTITUTION	CGPA/%	YEAR
B. Tech in Chemical Engineering	Indian Institute of Technology Madras	8.64/10	2023
Class XII	Sri Chaitanya Institutions Hyderabad	98.11%	2019
Class X	Sri Chaitanya Institutions Sattenapalli	10/10	2017
<ul style="list-style-type: none"> Among the top 0.5% in AP EAMCET over 2 lakh applicants and top 0.5% in TS EAMCET over 1.5 lakh applicants Among the top 0.7% in JEE MAINS with a percentile of 99.41 and top 2% in JEE ADVANCED Awarded MacDermid Alpha Scholarship – Among the only 6 people to receive it for 4 consecutive years 			2019
			2019-2022
Review Article**	<ul style="list-style-type: none"> Drafted a review article on the basis of working principles of various PAT [1] and Chemometric tools. Analysed the application, usage & regulatory view of PAT tools in manufacturing of Oral Solid Dosage forms 		

COURSEWORK & SKILLS

Time Series Analysis*	Probability, Statistics & Stochastic Processes	Machine Learning	Deep Learning*
Stochastic Methods in Industry	Mathematical Foundations of Data Science	Natural Language Processing*	Algorithmic Toolbox
Fundamentals of Finance*	Introduction to Data Analysis Using Excel	Principles of Economics	Operating Systems*
Languages	Libraries	Software's/Tools:	
C/C++, Python, SQL, Java*	NumPy, Pandas, Scikit Learn, TensorFlow*	Word, Excel, Adobe Analytics, git, GitHub, AWS, Docker	

COMPETITIONS & PROJECTS

Adobe Analytics Challenge (Sept'20-Nov'20)	<i>An analytics-based business case study competition where participants analyse real world data of the client</i>
	<ul style="list-style-type: none"> Amongst the 20 international Semi Finalists selected out of 1600 teams for the Case study Competition Identified the key issues in conversion funnel of Nike by utilizing metrics like bounce rate etc using Adobe Analytics Proposed a 3-step recommendation to optimize fallout in the checkout process with up to 20% improvement
	<i>Reviewed and analysed various supervised and unsupervised algorithms as a part of Machine Learning specialization</i>
Exploration of ML [2] Algorithms (Jan'21)	<ul style="list-style-type: none"> Implemented Regularized Neural Network from scratch to recognize the handwritten digits from the MNSIT [3] dataset Built a spam classifier using SVM & Implemented K-Means clustering for Image compression by reducing number of colours Implemented collaborative filtering movie recommender & Anomaly detection to detect failing servers on a network
Crop Prediction Self-Project (Jun'21)	<i>A predictive model that recommends the most suitable crops based on soil attributes and weather Data</i> <ul style="list-style-type: none"> Performed Feature scaling using Standard Scalar, Data Analysis, Pre-processing of categorical columns using pandas. Achieved a mean accuracy score of 0.95 using Random Forest classifier among different classifiers used. Deployed the Random Forest model using Flask, to predict and recommend the crop for new data
Job Search Aggregator CFI [4] Project (Dec'21 - April'22)	<i>Job Search Aggregator is a Web platform that aggregates job opportunities from different job search websites.</i> <ul style="list-style-type: none"> Developed Flask API to scrape job listings from the job search websites like Naukri, indeed ...etc using selenium Implemented REST [5] API using Node JS and PostgreSQL for the User management and handling 10+ routes Built a collaborative filtering recommendation system using NLP [6] to recommend most suitable jobs based on user skill set

PROFESSIONAL EXPERIENCE

Logistic Lab Software Development Intern (Feb'22 - Jul'22)	<i>Developed a graph-based backend for the intracity logistics under guidance of Dr N S Narayanaswamy</i> <ul style="list-style-type: none"> Developed Node server to manage authentication & authorization with role-based control for finer management of roles. Utilized TypeORM for the relational mapping of database tables and TypeGraphql for creating the API [7] endpoints. Developed python functions leveraging request module to extract data from OSRM and OSM APIs [7]
Dr Reddy's Laboratories Ltd Research Intern (May'22 - Jul'22)	<i>Understanding and determining the end point of High shear granulation using process analytical technology tools</i> <ul style="list-style-type: none"> Inspected various unit operations involved in pharmaceutical manufacturing of OSD [8] forms by examining Process flow Identified CPPs [9], CQAs [10] through literature review and analysis of torque data for high shear granulation process Successfully evaluated and proposed the torque monitoring system for scale up of bigger commercial plant scale.

POSITIONS OF RESPONSIBILITY

SHAASTRA [12]	Head	<i>Part of 11-member team, in charge of building and maintaining 12+ websites of Shastra</i>
	Webops Team (Mar'21-Feb'22)	<ul style="list-style-type: none"> Developed registration portal using NodeJS & Express for 60+ events and over 8000+ users for Shastra 2022 Managed the entire workflow of Shastra Juniors portal with over 3000+ registrations across 20+ events and workshops
	Coordinator	<i>Part of 10-member team, responsible for conducting workshops and technical events under Ignite vertical of shastra</i>
	Events Team (May'20-Feb'21)	<ul style="list-style-type: none"> Ideated and organized a web development workshop with over 250 registrations and 175+ live viewers Handled a budget of 1L+ as the point of contact between caterpillar company and participants for the IDP [11] challenge

CO - CURRICULAR & EXTRA- CURRICULAR ACTIVITIES

Chennai Water logging	<ul style="list-style-type: none"> An initiative to create a real-time flood map that can help recommend remedies to civic bodies. The data gathered through this platform aims to improve disaster preparedness and response in communities.
Solution Expert	<ul style="list-style-type: none"> Actively engaged with students in solving difficult level Mathematical problems at Embibe
Class Representative	<ul style="list-style-type: none"> Nominated as a class representative to facilitate better communication between the instructor and class of 40 students
Volunteering	Chemplus <ul style="list-style-type: none"> Oversaw the logistics management of over 50+ people as a part of chemplus event 2020

**Yet to be published *On going