

EDUCATION			
Degree/Certificate	Institute	CGPA / %	Year
M. Tech (Department of Management Sciences)	Indian Institute of Technology, Kanpur	-	2024 - Present
B. Tech (Civill Engineering)	National Institute of Technology Raipur	8.27 CPI	2017-2021
Higher Secondary Education(TSBIE)	Narayana Junior College, Hyderabad	97.3%	2017
Secondary Education (CBSE)	Gyan Niketan, Patna	10 CPI	2015
PROJECTS			
House Price Prediction Machine Learning Regression (Self Project)			
Objective	<ul style="list-style-type: none"> To predict the house prices in the city, using Machine Learning Algorithms. 		
Approach	<ul style="list-style-type: none"> The dataset comprises 80 independent features, and a dependent variable "SalePrice" with 2930 observations. Data Preprocessing: Conducted outlier treatment, feature engineering and handled missing values. Applied one-hot encoding and feature scaling. Models Used: Employed Linear Regression with Elastic Net regularization and Random Forest Regressor. Hyperparameter Tuning: Utilize GridSearchCV to optimize model hyperparameters and enhance predictive performance. Toolset: Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn 		
Heart Disease Prediction Machine Learning Classification (Self Project)			
Objective	<ul style="list-style-type: none"> Predicting heart disease using machine learning involves several steps, from data preprocessing to model evaluation 		
Approach	<ul style="list-style-type: none"> Variables are age, sex, place, cp, trestbps, cholesterol, fbs, restecg, thalch, exang, oldpeak, slope. Data Preprocessing: Handle Missing Values, Feature Selection and Encoding, Split the Dataset and feature scaling. Models Used: Employed Logistic Regression, Decision Tree Classifier, and Random Forest Classifier, Gradient Boosting Machines (GBM), Support Vector Machines (SVM), K-Nearest Neighbors (KNN), Autoencoders, Survival Analysis Models, Bayesian Methods, Ensemble Methods and Neural Networks 		
COURSEWORK & SKILLS *in progress			
Relevant Courses	Statistical Modelling for Business Analytics* Probability & Statistics* Operations Research for Management* Introduction to Computing*		
Skills	Python ML Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn * MySQL* Excel		
Soft Skills	Decision Making Adaptability Team Management Communication Skills Leadership Teamwork		
Certifications	<ul style="list-style-type: none"> Learn C++ From Scratch [Udemy] Complete Java Course- Learn from Scratch [Udemy] Python for Beginners [Udemy] Financial Analysis in Python [Udemy] MS Excel- Beginner plus Advanced [Udemy] 		
WORK EXPERIENCE			
<ul style="list-style-type: none"> Highway Design Engineer at Cube Engitech Consultant Pvt Ltd Start Date- 1 July 2021 End Date – 1 July 2022 			
ACHIEVEMENTS & EXTRACURRICULAR			
<ul style="list-style-type: none"> Qualified Gate Exam in year 2023 conducted by IIT Kanpur [gate score= 562], [paper code = CE] Qualified Gate Exam in year 2024 conducted by IISc Bangalore [gate score= 619], [paper code= CE] 			