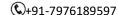
Vishesh Jain





Educational Details				
Graduating Year	Program	Institute	Percentage/ CPI	
2022	M.Tech, Industrial and Management Engineering	Indian Institute of Technology, Kanpur	8.27*/10	
2020	B.Tech, Agricultural Engineering	ANGRAU, Guntur, AP	7.89/10	
2015	Senior Secondary School RBSE	M.B. Public Sr. Secondary School, Kota	85.00/100	
2013	Secondary School RBSE	M.B. Public Sr. Secondary School, Kota	87.67/10	

*till 2nd semester

(May'21 - July'21)

Internship

Logistics Solutions, Gomazone Technologies Pvt. Ltd.

Warehouse Tool Development

- Developed a web tool to replace warehouse planning done manually using Excel to reduce manpower & time
- Understood the warehouse operations, storage & space calculations; labor planning, expenditures (labor, operational, capital)
- Deployed the model using the Flask framework (Python, Flowgiston Library, HTML, CSS & SQLAlchemy)

Projects

Course: Data Mining and Knowledge Discovery

Topic: Predicting Life Expectancy using Machine Learning

- Applied preprocessing techniques like Winsorization to treat outliers and Imputation to handle missing values
- Identified attributes with high Correlation Factor and dropped one among the two having high variance in its data values
- Performed modeling on Linear Regression, Decision Tree, and Random Forest with hyper-parameter tuning using

GridSearchCVResult: Random Forest performed best among other models giving RMSE of 3.24 in comparison to others.

Topic: Classifying Amazon Food Review

- Applied techniques like null values imputation/removal, de-duplication, and noise removal for data cleaning
- Implemented feature engineering techniques like Bag-of-words, tf-idf, and Word2Vec to vectorizer the text data
- Applied classification models Logistics Regression, Naïve Bayes Classifier and Random Forest Classifier

Result: Logistic regression with bag-of-words giving an accuracy of 0.87 with recall and precision of 0.9 and 0.92 respectively

Course: Applied Machine Learning

Topic: <u>Donor Classification</u>

- Implemented feature engineering like One-hot encoding for converting categorical featured data, logarithmic transformation to avoid skewness
- PCA for dimensionality reduction; Random Oversampling and Undersampling was used to handle class imbalance
- Applied classification models Support Vector Machine, Logistic Regression, Random Forest Classifier, and Naïve Bayes

ClassifierResult: Random Forest Classifier on oversampled data with precision and recall of 0.86 and 0.95 respectively

Topic: Customer Segmentation

- Created new columns as Frequency, Amount, and Recency. Standardization of the data with StandardScaler after outlier treatment
- Applied clustering algorithms k-means clustering with optimal k is obtained from Elbow Method and validated with Silhouette Algorithm
- Agglomerative Hierarchal Clustering with three clusters based on Dendrogram

Course: Statistical Modelling for Business Analytics

Topic: <u>Analysis of the Advertising Media affecting Sales</u>

- Dependent variable: Sales in thousands. Independent Variables: TV, Radio, Newspaper (Budget in thousands of dollars)
- Implemented single regressor models considering independent variables individually. Implemented Multiple Linearregression
- Multiple R squared and adjusted R square values, residual standard error, Variance inflation factor used to evaluate models

Course: Market Research

Topic: Analysis of Consumer Behavior towards Xiaomi smartphones

- Design, Data collected using online surveys, focus groups, and personal Interview Withpeople from different states
- Conducted exploratory descriptive research and analysis data using a statistical test (t-test) in SPSS with a 90% confidencelevel

Relevant Courses and Skills		
C	Data Mining and Knowledge Discovery Applied Machine Learning Operations Research Probability and Statistics Statistical	
Courses	Modeling for Business Analytics Marketing Research	
Skills	Technical: Python (NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, NLTK) SQL SPSS Microsoft Office MachineLearning	
	Statistical Analysis, Surveying	
	Non-Technical: Team Management, Adaptability, Problem Solving, Analytical Thinking, Decision Making Capabilities, People Management	

Positions of Responsibility, Achievements, and Extracurricular Activities

Organized 25+ webinars & Alumni meet and managing the logistics of the webinar as a Senior ACR coordinator at IME, MTech IITK

(Mar'21-Till Date)

Responsible for bringing issues faced by 400+ PG students to the student' Senate as PG - Y20 Senator at IITK

(Sep'20- Julyl'21)

(Aug'21-Till Date)

Initiated weekly webinar series showcasing Alumni Talks and batch meets as Junior ACR coordinator at IME, MTech

(July'17-June'20)

Acted as the voice of 600+ BTech students at the student-teacher council Meet as Student Representative at ANGRAU Guntur

(July'18-June'19)

Managed mess operations and resolved issues related to food of 600+ students as Mess Coordinator at ANGRAU Guntur

Devoted a period of 240+ hours of service under regular activities in 3+ years as an NSS Volunteer at ANGRAU Guntur

(July'16-June'19)

- All India Rank 12, having Secured 99.37 percentile for the paper Agricultural Engineering in GATE 2020
- Bagged AIR 201 in ICAR AIEEA, Securing Merit cum means scholarship throughout the undergraduate program (2016 -2020))
- Secured 1st position in college-level Exhibition and Essay Writing Competition among 100+ students organized by ANGRAU, Guntur
- Secured 2nd position in Elocution competition among 1000+ students organized by Income Tax Office Bapatla, Andhra Pradesh
- Secured 3rd position in the College level Debate and Solo Singing Competition among 100+ students organized by ANGRAU, Guntur