

ACADEMIC RECORD

Year	Degree	Institute	%/CGPA	Remarks
2021*	MTech (Industrial and Management Engineering)	IIT, Kanpur	9.73/10*	-
2017	B.E. (Mechanical)	VCET, Vasai	8.96/10	5 th in batch
2013	12 th (Maharashtra Board)	Patuck Technical High School, Mumbai	86.5%	2 nd Rank
2011	10 th (Maharashtra Board)	Patuck Technical High School, Mumbai	90.73%	2 nd Rank

PROFESSIONAL EXPERIENCE

Multi-Modal Video Retrieval Mphasis Next Labs		Jun 2022 - Jul 2022
Methodology	<ul style="list-style-type: none"> Done Literature Survey & replicated Everything at Once- Multi-Modal Fusion Transformer for Video Retrieval Model could retrieve semantically appropriate video clips for given textual query from video repository Wrote the Inference Code, & calculated dot-product similarity between textual query and video clips Served the algorithm using flask, done containerization using Docker & deployed using AWS Sagemaker 	
Deliverable	<ul style="list-style-type: none"> Proposed this solution for video information retrieval using a textual query for AWS Marketplace 	
Project Engineer Trainee Meera Cleanfuels Limited		Sep 2020 - Nov 2020
Methodology	<ul style="list-style-type: none"> Performed Documentation of all the machines and supervised 10+ on-site employees Ensures the quality of machines to meet the specifications needed for operation and reliability before delivery Learnt and prepared work orders, purchase orders and interacted with the vendor for price negotiation 	
Deliverable	<ul style="list-style-type: none"> Reduced the cost associated with various mechanical equipment by negotiating with vendors 	

PROJECTS UNDERTAKEN

Amazon Review Classification AML		Feb 2022 - Apr 2022
Methodology	<ul style="list-style-type: none"> Performed EDA & pre-processing by stop-word removal, tokenization, stemming, lemmatization Vectorized text by using Bag-of-words, Term-frequency inverse document frequency, and word2Vec Built ML models - Naive Bayes, KNN, Logistic Regression, SVM & Random Forest with hyperparameter tuning 	
Deliverable	<ul style="list-style-type: none"> Used specificity as evaluation matrix and achieved 79.57% with Logistic Regression model 	
Portfolio Construction Using NIFTY50 Companies Financial Engineering		Mar 2022 - Apr 2022
Methodology	<ul style="list-style-type: none"> Collected historical data for 21 companies from 1st January 2017 to 1st April 2022 from the NIFTY50 Using this data found the correlation, Expected Return, Standard deviation (Risk) for each company Selected 10 companies for our portfolio based on Correlation matrix, $E(r)/\sigma$ ratio and diversification Plotted efficient portfolio frontier, Capital allocation line and allocated fund in risk free asset and risky portfolio 	
Deliverable	<ul style="list-style-type: none"> Final Portfolio expected return = 26.8% and risk (σ) = 15.86% and Sharp ratio for portfolio = 1.3114 	
Murder Rate Analysis SMBA		Sep 2021 - Nov 2021
Methodology	<ul style="list-style-type: none"> Analysed effect of executions on murders committed from dataset with 30 states(entities) and 3 years (periods) Performed pooled regression, regression with time fixed & entity fixed effects to overcome omitted variable bias 	
Deliverable	<ul style="list-style-type: none"> Obtained R² score of 0.935 for panel data regression with both time and entity fixed effect 	
Sales Analysis Using Multivariate regression SMBA		Aug 2021 - Sep 2021
Methodology	<ul style="list-style-type: none"> Analysed dataset of over 8500 records with 16 features to know which features drives the sales predominantly Obtained two derived variables that drives sales & used log transformation to overcome heteroscedasticity 	
Deliverable	<ul style="list-style-type: none"> Obtained R² score of 0.72 for the best four features based on variance inflation factor which drove the sales 	

COURSEWORK AND SKILLS

Academic Courses	Applied Machine learning Introduction to Computing Operation Research for Management Statistical Modelling for Business Analytics Probability and Statistics Advance Decision Model Financial Engineering Data Mining and Knowledge Discovery* Frontier in Operation Management
Skills	Python (NumPy, Pandas, Scikit-learn, Statsmodel, Matplotlib, Seaborn, Keras, Pytorch, TensorFlow) Java SQL Power BI Microsoft Excel Deep Learning
Online Courses	Microsoft Excel Python Data Structure Python and Data Handling Libraries Power BI: Zero to Hero SQL Masterclass Deep Learning with python Time Series Analysis in Python

AWARDS & ACHIEVEMENTS

Co-Curriculum	<ul style="list-style-type: none"> Got Appreciation for teaching students who needed extra attention through NGO "Project Neev" 2019 Published technical paper with team under International Journal Of Creative Research Thinking 2018 Awarded Scholarship by Jamsetji Tata Trust for good grades in 3rd year of engineering 2015-16 Certificate of Participation in 'Bridge The Gap' event of TECHNOVENZA Tech Fest, VJTI 2014-15
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POSITION OF RESPONSIBILITY

SPC	<ul style="list-style-type: none"> Working with a 4-member team for assisting placement drive of the IME MTech Y21 batch 2022*
JPC	<ul style="list-style-type: none"> Worked with a 4-member team for summer internship drive and achieved 100% success 2021-22
ISHRAE	<ul style="list-style-type: none"> Task Force In charge of ISHRAE Student Committee and led a team of 10-member for an event 2015-16
Magazine Committee	<ul style="list-style-type: none"> Led a 5-member team for inter-College DEBATE Competition and Organized a Quiz Competition 2015-16 Organized the Hindi Kavi Sammelan Event and anchored the whole event with enthusiasm 2015-16

*Ongoing