

EDUCATION

Program	Institution	%/CGPA	Year
B.Tech + M.Tech : Civil Engineering	Indian Institute of Technology Madras	8.03	2021
XII (RBSE)	Saraswati Senior Secondary School, Makrana	87.40	2015
X (RBSE)	Saraswati Senior Secondary School, Makrana	85	2013

COMPETITIONS

Epsilon 2.0 - The Analytics Competition Mar'19	<ul style="list-style-type: none"> Estimated the likelihood of the bank loan default on account of a borrower based on characteristic metric Attained 0.94 F1 score by max voting from XGBoost, LightGBM and Random Forest Classifier algorithms Finished the competition as 3rd out of 500 teams after the final evaluation Tuned class weight of boosting algorithm to handle highly imbalanced class distribution of target variable
GS Quantify 2019 Machine Learning Oct'19	<ul style="list-style-type: none"> Identified the intent of large amount of log lines and grouped log lines with the same intent in one cluster Lemmatized, tokenized and vectorized the logs using TF-IDF vectorizer and Bag of Words Vectorizer Performed Elbow method to find out the optimal number of clusters by using KMeans clustering algorithm
Hackerearth - How Effective is the STD Drug?	<ul style="list-style-type: none"> Developed sophisticated NLP machine learning model to predict the base score of a certain drug in case Calculated the subjectivity and polarity score of patient's reviews and used it as independent features Stacking of Gradient Boosting regressor and XGBRegressor as meta estimator used to get 0.045 RMSE Accomplished 3rd spot among 600+ teams in the competition on private leader board

PROFESSIONAL EXPERIENCE

Business Analyst OYO May'20-June'20	<ul style="list-style-type: none"> Built a geographically viewed dashboard to compare the different geographical constraints at same level Conceptualized an end to end pipeline for data collection in the packet of 2 months' time period Added an adaptability to drill down the view from country to hotel level for comparing business metrics
AI Analyst Genesys Telecom Labs Pvt. Ltd. India May'19-June'19	<ul style="list-style-type: none"> Developed a text summarization model for summarizing interaction of post call disposition work in team Trained sequence to sequence encoder decoder model in training phase and decoded into inference phase Reduced 20 to 30% agent's time in manually writing the summary of interaction after call work interaction Used unigram ROUGE as evaluation metric and achieved score of 0.53 on validation set of 1000 chats
Content Planner Involve Building Tomorrow	<ul style="list-style-type: none"> Incorporated fun elements in mathematics and science concepts to engage kids while making them learn Oversaw implementation of developed content through pedagogy instructors at gross root levels in school Curated content of math and science for learners in the most inventive and creative way for learning Finding relevant case studies to explain the concept better

PROJECTS

Project - Machine Learning in Civil Engineering	<ul style="list-style-type: none"> Designed an efficient automatic authorized captcha recognition system using the machine learning model Performed thresholding, dilation and erosion to clean captcha image, applied edge detection to get feature Trained two layered neural networks with adam optimizer and 10% dropout to extract complex features Accuracy of 83% and F1 score of 0.93 was achieved in identifying the captcha and individual characters
To Vaccine or Not To Vaccine	<ul style="list-style-type: none"> Developed a machine learning model to assess the sentiment of tweet post related to COVID-19 vaccine Explored the simple transformers to create models with Roberta architecture and blending of models Deployed this model architecture on flask

POSITION OF RESPONSIBILITY

Hockey Club Convener	<ul style="list-style-type: none"> Individually conceptualized and laid the foundation of Hockey Club to consolidate IITM Hockey community Hockey club inculcated 100 enthusiastic participants from men and as well as from women side Introduced Beginner Camp and Hockey day event to strike a balance between inclusivity and excellence
IXL Innovation Olympics	<ul style="list-style-type: none"> Among 7 international teams selected to compete in New Billion Dollar Growth Opportunities Post COVID Conducted comprehensive research on real world life problems related to Education, Healthcare sectors Provided with Level 1 (Innovation Associate) and Level 2 (Innovation Master) certificates by GIMI

EXTRA CURRICULAR ACTIVITIES

- Part of Bronze Medal winning hockey team in inter hostel tournament
- Winner of Astro Analytics TechSoc, IIT Madras
- Accomplished 4th position in Insurance Churn Prediction on Machine Hack platform

COURSEWORK AND SKILLS

Data Analytics	Introduction to Machine Learning	Analytics Techniques in Transportation
Mathematics	Mathematical Foundation in Data Science	Probability and Statistics
Management	Urban Transportation Planning	Construction Project Management
Skills	Python, R, SQL, Tableau, Flask, MATLAB, MS Office	

Analytics Platform

Analytics Vidhya	Machine Hack	Kaggle	The Data Monk
<ul style="list-style-type: none"> Overall Rank - 186 Student Rank - 4 	<ul style="list-style-type: none"> Overall Rank - 25 	<ul style="list-style-type: none"> 2 Bronze Medals and 1 Silver Medal 	<ul style="list-style-type: none"> Contributor to the platform