



Indian Institute of Technology Madras

EDUCATION		
Program	Institution	% / CGPA
BS in Data Science and Applications	Indian Institute of Technology, Madras	9.0
Class XII	Delhi Public School, Kolkata	78
Class X	St James Convent School	91
Relevant Skills: Languages - Python, Java Script, Java, C, HTML, SQL Libraries/ Framework - Pytorch, Matplotlib, Numpy, OpenAI Gym, Pandas, ScikitLearn, Langchain Web - HTML, CSS, Flask, Django,VueJs		
Relevant Courses: MultiArm Bandits, Reinforcement Learning, Deep Learning, Machine Learning Techniques, Machine Learning Practice, AI : Search Methods for Problem Solving, Data Structures and Algorithm, Modern Application Development, Statistics-1, Statistics-2, Machine Learning Foundations, Object Oriented Programming, Computer System Design,Database Management System, Business Analytics, Data Visualisation Design		
ACHIEVEMENTS		
<ul style="list-style-type: none">Secured 3rd position in the Data Visualization Design Project among 70 students who participated.Ranked among Top 15 in Cricket and Coding Hackathon for IPL matches 2023 conducted by NPTEL where more than 1000 teams participated.Secured 20th position in the Kaggle competition of predicting customers behavior in an E-Commerce website out of 769 participants		
PROFESSIONAL EXPERIENCE		
Intern 1 (Oct 2023 - Jan 2024)	LLM Intern in a collaborative project of ENCORA Digital and IITM <ul style="list-style-type: none">Developed a web application which facilitates Coding Education featuring an integrated IDE for question solving.Leveraged Django Framework, REST Api architecture and LangChain framework for conversation with Open AI Api.	
Intern 2 (May 2023 - Aug 2023)	Research Intern <ul style="list-style-type: none">Executed a deep learning model to forecast end-term scores for 25,000 students, relying on quiz 1 performance as input. Harnessed the capabilities of neural networks to construct a precise regression model, enabling the anticipation of students’ performance trends.	
Intern 3 (Feb 2023 - May 2023)	Teaching Assistant - Statistics <ul style="list-style-type: none">Conducted sessions on a daily basis, prepared animated study materials .Took problem solving sessions for academically struggling students.Created additional question sets for stronger grasp of concepts.	
PROJECTS		
Project 1	Developed an autonomous agent to do effective betting in cricket <ul style="list-style-type: none">Coded AI agents using Bandit and RL Algorithms that can employ effective betting strategies in the game of cricket.Given State of the match that is wickets in hand and overs left the Agent can decide what shot to play next using Q Learning.Implemented KL-UCB Algorithm to find out the least risk taking shot at every ball.The game environment and agents were coded from scratch with numpy.	

Project 2	<p>E-commerce Shoppers Behaviour Understanding - Kaggle</p> <ul style="list-style-type: none"> Conducted in-depth analysis of customer data through EDA, understanding the purchase behavior of customers seeing their behavior pattern while they visited the website. Employed advanced machine learning techniques to train diverse models, achieving a noteworthy 0.716 F1 score in predicting the customers purchase behavior. Implemented models like Logistic Regression, Random Forest Classifier, SVM model and Stacking classifier using Scikit learn library.
Project 3	<p>Platform Analysis of Big Basket</p> <ul style="list-style-type: none"> Executed Product analysis for different categories of products along with their reviews and also analyzed the different Brands selling on the platform with Pandas and Google Sheets. Identified top-selling products, top performing brands, and assessed promotional impacts through statistical and graphical methods. Curated valuable recommendations to enhance overall sales performance of the platform strategies for Top 3 brands on the platform. Tools used are Numpy, Pandas, Google Sheets, Seaborn, Matplotlib, PowerBI
Project 4	<p>Bloglite Application - WebApp</p> <ul style="list-style-type: none"> Personal blog creating website Developed the front-end using HTML, CSS, and VueJS to ensure a seamless and visually pleasing user interface for the single-page web application. Implemented the Flask web framework for the backend, integrating SQLITE3 as the database to optimize data handling and processing. Enhanced performance and scalability by incorporating utilities like Celery and Redis, and automated monthly report delivery through Cron Jobs to users' email for improved user engagement.
POSITIONS OF RESPONSIBILITY	
POR 1	<ul style="list-style-type: none"> Worked as Cultural core for the Paradox, 23 - the annual fest of IIT M BS degree. Responsible for planning and managing all the cultural events and coordinating among participants and cultural event heads.
POR 2	<ul style="list-style-type: none"> Worked as Dance event head for Paradox, 22 Managed more than 50 participants who participated in the event.
POR 3	<ul style="list-style-type: none"> Head of the official Drama Society for the academic year 2022. Co - Head of the Dance society for the academic year 2021.