



EDUCATION					
Program		Institution		CGPA / %	Completion
B. Tech in Mechanical Engineering		Indian Institute of Technology, Madras		8.04	2023
CBSE - Class XII		Budha Dal Public School, Patiala		90.8	2019
CBSE - Class X		Budha Dal Public School, Patiala		10	2017
SKILLS					
C++ - DSA and OOPs	Python -Machine Learning	Selenium -Web Scraping	SQL -queries and joining	Analytical thinking -puzzle solving and maths	Team player
SCHOLASTIC ACHIEVEMENTS					
- Secured All India Rank 1,953 in JEE Adv 2019 of 160k participants - Secured All India Rank 1,532 in JEE Mains 2019 of 1.1m participants					
RELEVANT COURSES					
Machine learning and Deep learning@	Data Structure, and Algorithms in C++	Probability, Statistics, and Stochastic process*	Measurement, Instrument, and Control (MIC)	Principles of Economics	Differential Equations
PROFESSIONAL EXPERIENCE AND PROJECTS					
Project of Algo Trading December 2020 - July2021	<ul style="list-style-type: none">Started with making models based on widely used indicator-slow and fast moving averagesUsed research paper based on machine learning algorithm Random Forest and XGBOOST to create a model with the use of various indicators and to predict behavior of stocks in 4 different companiesCreated Monte Carlo simulations from scratch based on a model by making modifications in the model by Louise Bachelier required to make decisions in the stock market				
GANs June 2021-till date	<ul style="list-style-type: none">Implemented GANs using Keras in Python by using fully connected dense layers for both the generator and discriminator to generate new imagesCreating embedded images and text in order to get output from given input number				
Business Intern at Nectars June 2021-July 2021	<ul style="list-style-type: none">Developed the business model directly under the founder of Nectars and made strategies for the growth of the company and did a market analysis of commissions on productsScraped 1000 product details using selenium(python library) from 6 different e-commerce websitesDeveloped the UI of the new e-commerce platform for mobile phones using FigmaIndependently handled 12 clients who wanted to collaborate and successfully onboarded all of them				
COMPETITIONS					
JPMC quant challenge 2021	<ul style="list-style-type: none">Secured rank 9 in derivative modelling (mostly programming) among students from tier 1 collegesCompetition was based on programming skills and mathematical modelling				
Lava Design in India challenge 2020	<ul style="list-style-type: none">Got into the final round among 24 other teams across IndiaDesigned the mechanical structure mobile phone from interior and exterior using fusion 360Acquired professional experience while working under the guidance of design engineers at Lava				
POSITIONS OF RESPONSIBILITIES					
Saarang coordinator	<ul style="list-style-type: none">Coordinated with 7 teams of SAARANG to publicize the event across IndiaIncreased outreach of SAARANG and recruited 50+ SAARANG Ambassadors from various colleges				
EXTRACURRICULAR AND CO-CURRICULAR ACTIVITIES					
Competitive Programming	<ul style="list-style-type: none">Regularly participate in online coding contests conducted on LeetCode				
Coding Tutor	<ul style="list-style-type: none">Worked at a startup called EdarLab to teach programming and handled 20 students at a time				
RMO	<ul style="list-style-type: none">Cleared the PRE-RMO stage and participated in the RMO exam 2018				
NSS IITM	<ul style="list-style-type: none">Guided 6th standard students of Government school, Chennai in their school boards				