



KSHITIJ
Environmental Science & Engineering
Indian Institute of Technology Bombay

19D180014
Dual Degree (B.Tech. + M.Tech.)
Gender: Male
DOB: 11/01/2000

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2024	

Pursuing Bachelor of Science degree from **IIT Madras** covering ML, Data science and Programming [**CPI: 8.35**] (Nov'21-Present)

Scholastic Achievements	
<ul style="list-style-type: none">Amongst the top 99.47 percentile scorers in JEE Mains exam & 99.67 percentile in JEE Advanced exam out of 1.4M+ candidatesServing as Teaching Assistant, provided mentorship to 50+ undergraduate students in Environmental ManagementAwarded Gold Medal & the prestigious scholar batch for all-round performance for 6 consecutive session at Delhi Public School	
Professional Experience	
OLX Autos Data Scientist (Jun'23- Jul'23)	Received Letter of Recommendation (LOR) from the reporting manager for an exemplary performance <ul style="list-style-type: none">Pre-processed Bureau Scrub data, assigning weights, identifying faulty dealer, mitigating 20% riskDesigned a pancard- aadharcard OCR using Pytesseract with the character error rate less than 10%Automated & auto-populated R Scripts reports using Jenkins eliminating 5 hrs. of daily manual work
ANS Commerce Data Engineer (Dec'22 – Jan'23)	Contributed towards website modularization & product recommendation system with Business head <ul style="list-style-type: none">Scrutinized 15+ ML research papers for programming a recommendation system for the E-brandingIncorporated Google Big Query for Google Analytics data to optimize the website traffic behaviourProgrammed APIs function for creating, updating & pushing the dataframes to the MySQL schemas
OLX Autos Data Analyst (May'22 – Jul'22)	Procured a coveted pre- placement internship offer in the dealer financing team for exceptional work <ul style="list-style-type: none">Analyzed 0.11M + unique records of the Bureau Dataset through EDA generating 27 derived featuresBoosted the revenue turnover by 30% by designing Bureau Surrogate financing on-boarding programEstablished a car recommendation model for top 20 dealer minimizing manual pre-call effort by 90%
Competitions & Key Projects	
Derivative Pricing SOS, IIT Bombay (May'21 – July'21)	Accomplished the summer of science project by proceeding with SI 527 lessons of professor Baskar S <ul style="list-style-type: none">Conceptualized financial mathematics, fundamental stock market analysis, securities and arbitrageComprehended derivative pricing model & noncontingent claim strategies (forward, future, swaps)Acquired basic understanding of estimating the option price & risks hedging model (binomial lattice)
Statistical Analysis Academic Project (Aug'20 – Nov'20)	Projected in-depth report for the study of meteorological data under the guidance professor M. Sahu <ul style="list-style-type: none">Evaluated the Covid-19 impact on air pollution using advance Excel tool for 0.7M+ rows of Delhi dataApplied ANOVA and multilinear regression on 15 parameters to test hypothesis & visualized resultIdentified that the industrial & traffic emissions are the major sources (>50%) of air contamination
Boeing competition Techfest, IITB (Nov'19 – Dec'19)	Spearheaded team of 4 in UAV designing competition in Asia's largest Science-Technological festival <ul style="list-style-type: none">Qualified for the National level Boeing competition by securing 2nd runner-up at intra-college levelEvolved a remote-controlled prototype capable of carrying 1/3 of its total weight & 1/10 thrust/wtRanked in top 30 nationally qualifying to the final round by flying the plane carrying 250 g payloads
Co-Curricular Activities	
Machine Learning, Data Science & Deep Learning (Udemy)	<ul style="list-style-type: none">Developed movie recommendation system with user-based collaborative filtering (surprise library)Certified in KMean-cluster & CNN & built handwritten number recognition model with 98% accuracyExplored the field of Deep learning & Neural networks by utilizing TensorFlow on normalized datasImplemented LSTM (Keras) of neural network to instantly predict breast cancer with 80% accuracy
Data Visualization & Analysis (Udemy)	<ul style="list-style-type: none">Generated program for analyzing stock market, election result study & Titanic casualty distributionPerformed web scrapping, generative model & SQL using BeautifulSoup library & SQLite on python
Technical Skills	
Languages	Python, SQL, C++, C, R, Spark, MATLAB, SAS, HTML, CSS, Octave, AppScript, JavaScript, Java, Stata
Major libraries	NumPy, Pandas, Matplotlib, seaborn, Scikit-learn, SciPy, SQLite, OpenCV, Pytesseract, pmdarima, Eli5
Softwares	Oracle SQL Developer, PostgreSQL, Docker, GitHub, Lucidchart, DBeaver, Tableau, Jenkins, PowerBi
Extra-Curricular Activities	
<ul style="list-style-type: none">Won gold medals by winning in Intra hostel Cricket & Football competition excelling among 8 teams in a round-robin formatTechnical Secretary: Selected as the core group member of hostel technical council representing 500+ students from Hostel 3Founder's Pitch: Overall pan IIT 3rd runner-up for showcasing value position & go-to-market strategy for employability scoreCompleted a year-long rigorous advanced training in Volleyball under the National Sports Organization (NSO) at IIT BOMBAYTrained in the classical Hawaiian Steel Guitar for 2 years as school curriculum & performed at various school cultural programs	