



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+ candidates Serving as Teaching Assistant, provided mentorship to 50+ undergraduate students in Environmental Management Awarded 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) | <p><i>Received Letter of Recommendation(LOR) from the reporting manager for an exemplary performance</i></p> <ul style="list-style-type: none"> Pre-processed Bureau Scrub data, assigning weights, identifying faulty dealer, mitigating 20% risk Designed 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) | <p><i>Contributed towards website modularization & product recommendation system with Business head</i></p> <ul style="list-style-type: none"> Scrutinized 15+ ML research papers for programming a recommendation system for the E-branding Incorporated Google Big Query for Google Analytics data to optimize the website traffic behaviour Programmed APIs function for creating, updating & pushing the dataframes to the MySQL schemas |
| OLX Autos Data Analyst (May'22 – Jul'22) | <p><i>Procured a coveted pre-placement internship offer in the dealer financing team for exceptional work</i></p> <ul style="list-style-type: none"> Analyzed 0.11M + unique records of the Bureau Dataset through EDA generating 27 derived features Boosted the revenue turnover by 30% by designing Bureau Surrogate financing on-boarding program Established 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) | <p><i>Accomplished the summer of science project by proceeding with SI 527 lessons of professor Baskar S</i></p> <ul style="list-style-type: none"> Conceptualized financial mathematics, fundamental stock market analysis, securities and arbitrage Comprehended 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) | <p><i>Projected in-depth report for the study of meteorological data under the guidance professor M. Sahu</i></p> <ul style="list-style-type: none"> Evaluated the Covid-19 impact on air pollution using advance Excel tool for 0.7M+ rows of Delhi data Applied ANOVA and multilinear regression on 15 parameters to test hypothesis & visualized result Identified that the industrial & traffic emissions are the major sources (>50%) of air contamination |
| Boeing competition Techfest, IITB (Nov'19 – Dec'19) | <p><i>Spearheaded team of 4 in UAV designing competition in Asia's largest Science-Technological festival</i></p> <ul style="list-style-type: none"> Qualified for the National level Boeing competition by securing 2nd runner-up at intra-college level Evolved a remote-controlled prototype capable of carrying 1/3 of its total weight & 1/10 thrust/wt Ranked 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% accuracy Explored the field of Deep learning & Neural networks by utilizing TensorFlow on normalized data Implemented 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 distribution Performed 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 format Technical Secretary: Selected as the core group member of hostel technical council representing 500+ students from Hostel 3 Founder's Pitch: Overall pan IIT 3rd runner-up for showcasing value position & go-to-market strategy for employability score Completed a year-long rigorous advanced training in Volleyball under the National Sports Organization (NSO) at IIT BOMBAY Trained in the classical Hawaiian Steel Guitar for 2 years as school curriculum & performed at various school cultural programs | |