



PALKIT LOHIA | 19HS20057

Indian Institute of Technology Kharagpur

EDUCATION

| Year | Degree/Exam | Institute | CGPA/Percentage |
|------|-----------------------------------|--|-----------------|
| 2024 | Integrated B.Sc + M.Sc, Economics | Indian Institute of Technology Kharagpur | 9.05 |
| 2019 | Class XII, CBSE | SKP Vidya Vihar | 94.6% |
| 2017 | Class X, ICSE | St. Vincent's High and Technical School | 95.2% |

INTERNSHIPS AND PROJECTS

Housing Price Index Feb'21 - Mar'21

SRITNE, Indian School of Business

- Contributed to the development of the Housing Price Index, a joint project by Housing.com and ISB.
- Constructed a Laspeyres Price Index, using granular prices from each locality and their corresponding weights based on transaction value share of that locality in India, to capture the aggregate movement in prices (per square feet) overtime.
- The link to the website is <http://www.housingpriceindex.in/>

Real-Time Indices of Economic Activity Dec'20 - Jan'21

SRITNE, Indian School of Business

- Calculated the sentiment scores of tweets using TF-IDF vectorizer and VADER, for Nifty-500 companies.
- Created a streamlit app to analyze the variation in stock prices due to changes in the sentiment scores of these companies.

Kronos

- A web app to serve past year records-grade distributions of IIT KGP.
- Wrote python scripts to get past year records - grades and syllabus, for the courses offered by IIT KGP.
- Built a web app to display the grade distribution of courses over semesters.
- The link to the website is <https://kronosv2.herokuapp.com/>

Stockplot

- An online platform to test stock market indicators. It generates buy and sell signals for the indicator and displays the net profit at each transaction.
- Implemented the Golden Cross and Bollinger Bands Strategy as a part of the project.
- The link to the website is <https://stockplot.netlify.app/>

Vaccine Tracker

- A tool for tracking the availability of COVID-19 vaccines in any state in India, by pin-code or district-code.
- It uses the API from the COWIN website to monitor for vaccine availability and send an immediate email to the user.
- The link to the repository is https://github.com/spookbite/covid_vaccine_tracker

SKILLS AND EXPERTISE

- Programming Languages:** Python, C++, C
- Frameworks and Libraries:** Pandas, Numpy, Plotly, Scikit-learn, NLTK, Streamlit, Git, Docker

COURSEWORK INFORMATION

- Programming and Data Structures
- Linear Algebra for AI and ML
- Regression and Time Series Models
- Macro and Micro Economics
- Probability and Statistics
- Data Analytics

POSITIONS OF RESPONSIBILITY

Core Team Member | Kharagpur Open Source Society

Feb'20 - May'21

- Responsible for the smooth conduct of events to familiarize students with open source technologies and philosophy.
- Conducted Kharagpur Winter of Code (KWOC), a month-long program for college students aimed at familiarizing them with contributing to open source projects. KWOC 2020 saw the participation of more than 2000 students.

Associate Member | Spring Fest

Aug'19 - Jul'20

- Sole member responsible for publicity drive in the city of Mumbai, resulting in a 73% YoY increase in participation.
- Coordinated with a team of 11 Campus Ambassadors and increased the visibility of the fest.
- As an information Kiosk Attache, acted as a sole Point-of-Contact between 5000+ participants and the Organizing Committee.

AWARDS AND ACHIEVEMENTS

- Secured All India Rank of 5792 in JEE Advanced 2019(out of 1,72,000 candidates).
- Secured All India Rank of 3430 in JEE Mains 2019(out of 12,00,000 candidates).
- Recipient of the Merit-Cum-Means scholarship offered by IIT Kharagpur to meritorious students pursuing university education.

EXTRA-CURRICULAR ACTIVITIES

- Part of the Institute Badminton Team.
- Part of the bronze-winning Illumination Team of LBS Hall of Residence.
- Stood 5th in the Open IIT Data Analytics Competition.
- Mentored 10+ students as a part of SteerMe.