



# 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*

- Built a recurrent neural network to calculate the sentiment scores of tweets for Nifty-500 companies.
- Created a streamlit app to analyze the variation in stock prices of the Nifty-500 companies due to changes in the sentiment scores of those 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://kronos.metakgp.org/>

### Stockplot

- An online platform to test the performance of 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](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
- Macro Economics
- Regression and Time Series Models
- Micro Economics
- Probability and Statistics
- Machine Learning Foundations and Applications

## 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 Illumination Team of LBS Hall of Residence.
- Participated in the Open IIT Data Analytics Competition.