



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	M.SC(5YR)	IIT Kharagpur	8.96 / 10
2019	AISSCE (CBSE)	S.K.P Vidya Vihar	94.6%
2017	ICSE (CISCE)	St. Vincent's High and Technical School	95.2%

INTERNSHIPS

Research Intern | Srinu Raju Centre for IT and Networked Economy, Indian School of Business [Nov '20 - Mar '21]

Objective: To Create a Housing Price Index for India, in collaboration with Housing.com and NAREDCO

- Worked on formulating the **Housing Price Index for India**, which would enable various **stakeholders** to track prices at an aggregate level
- Analysed **100k+** rows of data over a period of **4 years**; calculated weights based on the **transaction value share**, using prices from 2019
- Constructed the **Laspeyres Price Index**, to capture the **aggregate movement** in housing prices in **Tier-1** cities of India over time

Objective: To Analyze the fluctuations in stock prices of Nifty-500 companies due to changes in the public sentiment

- Pre-processed and analyzed **1 million+** rows of data of **Nifty-500** companies' tweets for **sentiment analysis** for a period of **2 years**
- Calculated the **sentiment scores** of tweets and built a **Streamlit** app to analyze the variation in **stock prices** due to sentiment scores

PROJECTS

Kronos | MetaKGP [Jun '21 - Jul '21]

Objective: To create a web app to serve past year records- grade distributions of courses offered by IIT Kharagpur

- Wrote **python** scripts to fetch previous year's grade distribution and syllabus, using **requests** library, of **800+courses** offered at IIT KGP
- Developed and deployed a web app using **Streamlit**, for displaying the grade distribution of courses offered, with **6000+ viewers** per year

Stockplot | Self-Project [Jul '21 - Aug '21]

Objective: To create an online platform to test and compare stock market indicators

- Assisted the development of a tool that generates **buy and sell signals** for indicators, and displays **net profit and loss** per transaction
- Accessed historical stock prices using **yfinance** module and implemented strategies like the **Bollinger Bands** & **Relative Strength Index**

COMPETITION/CONFERENCE

Smart India Hackathon, 2022

- Finished in the **top 5** teams, among **10,000+ teams**, securing a position in the **Grand-Finale** of **Smart India Hackathon, 2022**
- Ideated a **one-stop platform** that includes all **Government policies and schemes** available for the **specially-abled** in India
- Planned to implement **filters** which will provide a **personalised dashboard** & include **updates** from news about the schemes
- Introduced a feature that uses **text summarization** for long proof documents & **text-to-speech** feature for illiterate and specially-abled

AWARDS AND ACHIEVEMENTS

- Secured **Department Change** from Mining Engineering to Economics, by acquiring an **Institute rank in top 5%** at the end of the first year
- Selected for National **Merit-Cum-Means(MCM)** scholarship under the National Scheme of Government of India for **3 consecutive years**
- Scored **99.67 percentile** in JEE Mains, 2019, and in the **top 0.47%** in JEE Advanced, 2019, among **1.2 million** appearing candidates

SKILLS AND EXPERTISE

Languages: C | C++ | Python

Other Skills: Git | Docker | MySQL | AWS | Flask

Libraries: Pandas | Numpy | Matplotlib | Plotly | NLTK | Streamlit | Requests

COURSEWORK INFORMATION

Computer Science: Programming and Data Structures | Artificial Intelligence: Foundations | Artificial Intelligence for Economics

Miscellaneous: Probability and Statistics | Micro-Economics | Financial Institutions and Markets | Comparative Development Perspective

POSITIONS OF RESPONSIBILITY

General Secretary Students' Welfare | Lal Bahadur Shastri Hall of Residence, IIT Kharagpur [Aug '21 - Jun '22]

- Part of **6-member apex team** of General Secretaries elected by **1900+ boarders** of the hall; led a team of **11 secretaries**
- Managed a budget of **INR 2.5 Lakh** for organizing '**The Shastrian Utsav**', the annual fest of Lal-Bahadur Shastri Hall of Residence
- Organized Intra-Hall **mentor-mentee** programme and **weekend learning sessions**; represented the hall in the welfare subcommittee
- Formed and led a **20 member** committee of **Covid Protocol Monitoring** for LBS Hall to reduce the impact of outbreak in campus in Jan'21

Executive Head | Kharagpur Open Source Society, IIT Kharagpur [Jun '21 - Jun '22]

- Responsible for the smooth conduct of **workshops and events** to familiarize students with **open source** technologies and philosophy
- Conducted **Kharagpur Winter of Code (KWOC), 2021**, a month-long program for students, which saw the participation of **2500+ students**

Associate Member | Spring Fest, IIT Kharagpur [Aug '19 - Mar '20]

- Sole member** responsible for the **publicity** drive of Spring Fest in the city of **Mumbai**, which led to a **73% YoY increase** in participation
- Coordinated with a team of **11 Campus Ambassadors** and delegated responsibilities to publicize and conduct events in **40+ colleges**
- As an Information Kiosk Attache, acted as **sole Point-of-Contact** between **5000+ participants** and Organizing Committee of Spring Fest

EXTRA CURRICULAR ACTIVITIES

- Awarded **Gold medal** in **Table Tennis** for Lal Bahadur Shastri Hall of Residence in the Inter Hall Sports, General Championship, 2022.
- Mentored **10+** high school students, preparing for engineering entrance examinations, as a part of the SteerMe **Mentorship Programme**.
- Member of the **Gold Winning March-Past Team** in the Inter Hall Sports General Championship, 2022, organised by IIT Kharagpur.