



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2022	B.TECH	IIT Kharagpur	8.77 / 10
2018	AISSCE	CBSE	93.8%
2016	AISSE	CBSE	10 / 10

## INTERNSHIPS

### Intern, Strategy and Economics - IIFL Securities Ltd. Jul '20 - Aug'20

- Developed a methodology to evaluate the **trade competitiveness** of India by analysing data from the **World Trade Organisation**.
- Identified potential intermediate exports of India and selected partner countries by using **BEC codes** of the traded commodities.
- Identified India's 74 key **potential intermediate products** out of 262 by using parameters like **BRCA, CTB** and **POS**.

### Data Science Intern - BuddhiMed Technologies May'20 - Jun'20

- Trained **Dependency Parser**, **POS tagger** and **Named Entity Recognizer** with **80%** accuracy on labelled medical text using **spaCy**.
- Created a program to perform **Image auto orientation correction** on discharge summaries dynamically.
- Extracted **ICD-10** codes from discharge summaries and reduced the processing time by nearly **25%** for **medical insurance claims**.

## PROJECTS

### Cash in with Kari (Link to the blog: <https://karmanyagb.wixsite.com/website>) May'20

- A personal blog that explains various financial instruments and concepts based on my understanding.
- Short and conversational articles available to everyone, especially for novice finance enthusiasts.

### Analysis of Congestion in Cellular Telecommunications Network Jan'19

- Predicted the type of congestion using **XGBoost** classifier models and applying **Recursive Feature Elimination**.
- Performed **Preprocessing** and a thorough **exploratory data analysis** using **NumPy**, **Pandas**, **Seaborn** and **Matplotlib**.
- Applied extensive **Feature Engineering** and performed the tuning of all hyper-parameters using **Grid Search**.
- Successfully predicted the type of network congestion with **Matthews Correlation Coefficient** of **0.727** on the validation set.

## COMPETITION/CONFERENCE

### Panini Linguistics Olympiad

- Selected in the **national training camp** for **International Linguistics Olympiad** for two continuous years and maintained a **top 30 rank**.
- Awarded **Honourable Mention**, **Best Solution** in PLO 2017, **Honourable Mention** in PLO 2016, **Honourable Mention** in Junior PLO 2015.

### Lake Symposium 2014, IISc Bangalore

- Presented** the paper "Analysis of Physiochemical Parameters of Various Water Sources in Marathahalli, Bangalore" in the conference.
- Obtained water samples from various sources and tested **physiochemical parameters** in the labs of **IISc Bangalore**.

## POSITIONS OF RESPONSIBILITY

### Governor, English Technology Dramatics Society: Encore, Technology Students Gymkhana Jun'20 - Present

- Head budget planning and production designing as the Governor of English Dramatics Society, consisting of over **100 members**.
- Conceptualized **4 plays** and led a team into an inter-college monologue competition which bagged a **Gold** and a **Bronze**.
- Recommended the society on an **online platform** through our social media pages by conceptualizing the **first ever** online production.

### Secretary Dance and Dramatics Cup, Radhakrishnan Hall of residence Jul'19 - March'20

- Organised practice sessions coordinating with **150+** participants, managed a budget of **INR 2.2 Lakhs** and put up **2 plays**.
- Initiated renovation of dramatics room and reduced the total budget by **20%** through efficient sets management.

### School Captain, Vagdevi Vilas School Marathahalli Jun'17 - March'18

- Organized several Workshops, Quizzes and the **Inter-School Sports Meet 2017**.
- Managed the **Kala Utsav 2017** as a core team member, which had a footfall of over **30,000** people.

## SKILLS AND EXPERTISE

**Technical Skills:** Machine Learning, Deep Learning, MS-Excel.

**MOOCs:** Deep Learning Specialization, Finance for Everyone, Investment and Portfolio Management Specialization.

## EXTRA CURRICULAR ACTIVITIES

**SOCULT**

- Acted in **7 plays**, **2 nukkads** and **2 short films** as a member of Encore and Radhakrishnan Hall of residence.
- Participated and won **3 Bronze** medals in the General Championship, Social and Cultural 2018-19
- Member of Illumination-Rangoli Team of Radhakrishnan Hall which won **1 Gold**, **2 Silver** and **1 Bronze**.

**SPORTS**

- Member of Basketball Team of Radhakrishnan Hall and won **Silver** in Fresher's Basketball Tournament 2018.

**TECHNOLOGY**

- Member of Data Analytics Team of Radhakrishnan Hall of Residence.