



## EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	4YRS B.S	IIT Kharagpur	7.81 / 10
2020	AISSCE(CBSE XII)	Jawahar Navodaya Vidyalaya	91.4%
2018	AISSSE(CBSE X)	Jawahar Navodaya Vidyalaya	79.2%

## INTERNSHIPS

## Application Developer | Medsolu Pvt Ltd

[Feb'2023-Apr'2023]

- Conducted in-depth research on diverse health insurance types,utilizing analytical skills and **Python**(Pandas,NumPy &Seaborn) to analyze all possible policies, coverage options, and pricing structures for enhanced decision-making for the better product.
- Collaborated with cross-functional team to maximize project profitability, contributing to process through technical expertise.
- Played a pivotal role in the technical development of the product,implementing machine learning algorithms like **Scikit-learn**.
- Generated impactful reports and presentation,employing data visualization tools(**matplotlib seaborn**)& contribute in project.

## PROJECTS

## Automated Color Detection from Image | OpenCV

- Developed color detection application by using **OpenCV** and **Pandas**, allowing to obtain colors names by clicking on picture.
- Utilized a dataset with 865 color names &RGB values to calculate the distance from each color,showing proficiency in python.
- Implemented mouse event handling,image processing &creating a user-friendly interface with OpenCV, Pandas, and numpy.

## Facetrnix:Attendance Tracking with Face Recognition

- Developed accurate and efficient Face Recognition Attendance System with **OpenCV**, **Flask**,and **ML** libraries like **scikit-learn**.
- Utilized **KNN algorithm** for facial recognition, achieving instant identification and integration with a **Flask web application**.
- Cutting-Edge Biometric Attendance Ecosystem (Face), synergizing OpenCV, **Flask**, and avant-garde machine learning libraries.

## Weight Prediction with Random Forests

- Engineered a Python script using libraires for weight category prediction, incorporating StandardScaler for **feature scaling**.
- Implemented **Random Forest Classifier &Numpy, Pandas, Matplotlib** for Data manipulation, visulaization and analysis.
- Created a function for real-time weight category prediction, seamlessly integrating user input array with **preprocessed data**.

## SKILLS AND EXPERTISE

**Fluent:** C/C++, Python (Numpy, scikit-learn, Pandas,Matplotlib, Seaborn, Streamlit),SQL,NodeJs,ReactJS(HTML,CSS,JavaScripts)**Familiar:** OpenCv, Tensorflow, Keras**Tools &Software:** Stata, MSOffice, Github,Docker(basic), VS Code,Jupyter Notebooks, Postman, MogoDBCompaas, Canva.

## CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification (Coursera) | Intro to Machine Learning (Kaggle)
- Data Analysis with Python (Coursera) | Python for Data Science, AI &Development (Coursera)

## POSITIONS OF RESPONSIBILITY

## Tech-Head | Tech-Sub-Head | Kshitij IIT Kharagpur

[Aug'2022-Present]

- As a Head, leading **Asia's largest tech-fest** responsibilities with a focus on frontend using **React Js**( 3D website), backend implementation with **NodeJS**( express), and using **MongoDB** as the database for user registration, events, sponsors page and **accommodation portal** with a **payment gateway** for the **website** for more than 100,000 participants during the Kshitij fest.
- In the previous role as **Tech-Sub Head**, I worked with the dynamic team in developing impactful frontend websites ktj.in and ca.ktj.in. Pioneered a **webathon** sponsored by **MongoDB**, with team emphasizing techical and **project management skills**.

## Library and Alumni Affairs Secretary | LBS Hall of Residence | IIT Kharagpur

[Sep'22-May'23]

- At this position I effectively managed administrative duties and actively fostered meaningful alumni **event** for the 2022-23..

## COMPETITION/CONFERENCE

- Secured 2nd position in the **Full Stack Development** Hackathon, Hack-An-Intern, organized by KodeinKGP at IIT Kharagpur.
- Achieved a remarkable Category **rank of 909** out of 58,780 students in the fiercely competitive IIT JEE-Advance Examination.
- Advanced to the 2nd round of the **Data science competition** hosted by **American Express**, showcasing analytical skills.
- Attained a commendable **9.14 CGPA** in the fifth semester, **ranked** among the **top 10** students in the HSS Department.

## COURSEWORK INFORMATION

- |                       |                             |   |                         |
|-----------------------|-----------------------------|---|-------------------------|
| •Econometric Analysis | •Probability and Statistics | •Programming and Data Structures        | •Fianancial Management  |
| •Operations Research  | •Statistics For Economics   | •File organization and Database Systems | •Economic Data Analysis |

## EXTRA CURRICULAR ACTIVITIES

**Volunteer at NSS, IIT Kharagpur:**Demonstrated exceptional leadership,actively engaged in tree planting,welfare initiative, teaching to school childrens, and public rallies during the 7-day annual camp held in Malma and showcasing the top-tier skills.

**Scouts &Guides:**Attained Rajya Puraskar in Scouts and Guides at Jawahar Navodaya Vidyalaya, Jhansi, showcasing exemplary leadership, teamwork, and disciplined conduct during a transformative 5-day camp with a group of 17 peers in class eleventh.