



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	Integrated M.Sc Mathematics & Computing	IIT Kharagpur	7.74 / 10
2020	CBSE Class 12	Tuli Public School	85%
2018	ICSE Class 10	Marie Poussepin's Academy	92.5%

INTERNSHIPS

- Full-Stack Developer Internship | Infinte Loop Technologies Private Limited** [Jun'22 - Aug'22]
- Developed multiple **APIs** using **Django REST framework** to handle various operations with **7+** different **Post Type**
 - Implemented video live streaming with **NGINX-RTMP**, **HLS** protocol supporting a max of **512** simultaneous streams
 - Created live chat using **websockets**, enabling real-time communication and interactive user experiences
 - Migrated the code from Django **2.2** to **4.2**, dockerized into micro services & refactored code to improve collaboration

PROJECTS

- Cricket Team Selector and Match Outcome Predictor | Prof. Bibhas Adhikari | Term Project** [Feb'23-Apr'23]
- Scraped **player-performance** data and **ball-by-ball** data from last **553** ODI matches using **Beautiful Soup**, **Requests**
 - Attained best accuracy of **86.14%** on ML models(**Linear Regression**, **Random Forests**) trained on **1.37 lakh balls**
 - Created a **team selector** model to choose best **11** out of **20** players using Batsman and Bowler's strength algorithm
- Customer Relation Management Application | Self Project** [Apr'22- Jun'22]
- Developed Django-based CRM for ecommerce, allowing admin to track orders and edit them efficiently
 - Implemented dashboard with counts for pending, delivered, and cancelled orders, enhancing decision-making
 - Designed user-friendly UI, ensuring ease of use and a visually appealing experience for efficient CRM operations
- Social Media Application | Self Project** [May'21 - Jun'21]
- Built a full-stack social media app for users to share **posts** visible to other users and open to **reactions** from them
 - Used **ReactJS** for frontend and **NodeJs** for Backend with **MongoDB** as the Database hosted on **MongoDB Atlas**
 - Incorporated **JWT authentication** and **React Redux** for efficient state management reducing load time by **30%**

COMPETITION/CONFERENCE

- Website Hackathon | Technology Students' Gymkhana, IIT Kharagpur** [Nov'21 - Jan'22]
- Led **11-member** team to **win Gold** in website hackathon comprising **30+** teams and introducedInstitute Application
 - Designed multiple pages and ensured a **robust routing** for the frontend application consisting **20+** different pages
 - Implemented **editable** Student Profile resulting in significant **30% reduction** in data entry time for **1000+** students
- Hack-an-Intern | KodeinKGP, IIT Kharagpur** [Oct'22 - Nov'22]
- Among the **top 3** teams in the Hackathon which received a participation from over **20** different teams
 - Developed a **stock trading platform** where users can trade stocks causing the stock price to vary dynamically
 - Developed a dynamically varying graph that displays the actual bitcoin value at the moment using **Binance API**

SKILLS AND EXPERTISE

Programming Languages: *Proficient:* C, C++, Javascript, Python, MySQL, HTML, CSS *Familiar:* Java, Rust, MATLAB
Frameworks/Libraries: Django, Flask, NodeJS, ReactJS, NextJS, NumPy, Pandas, Matplotlib, Beautiful soup, Selenium
Developer Tools: Git, Github, Docker, docker-compose, MS Office, MySQL Workbench, Jupyter Notebook, Linux

COURSEWORK INFORMATION

File Organisation and Database Management System | Design and Analysis of Algorithms | Programming and Data Stuctures | Big Data Analysis | Computer Organisation Architechture | Usable Security and Privacy

POSITIONS OF RESPONSIBILITY

- Tech Team Sub-Head | Kshitij, IIT Kharagpur** [Aug'21 - Jun'22]
- Developed and managed **Kshitij 2022** Website, garnering **19,500+** registrations, ensuring seamless user experience
 - Created **Admin Panel** to modify the website contents dynamically reducing the time for content entry by **80%**
 - Conducted thorough **testing** to ensure website's feature **robustness**, **performance**, and **responsiveness**
- Associate Manager | Entrepreneurship Cell, IIT Kharagpur** [Jun'21 - Jun'22]
- Designed and **SEO** optimized the **GES'22** website in collaboration with the design team driving **6000+** registrations
 - Boosted the desktop performance on PageSpeed insights to **88** by **lazy loading** and reduction of network payload
 - Automated** the Certification process by innovating a **certificate generator** app for **3000+** participants of **EAD'22**

EXTRA CURRICULAR ACTIVITIES

- Active participation in the Illumination and Chess Tournament for JCB Hall of Residence for the session 22-23
- Member of NSO Health and Fitness and practised swimming as a part of Technology Aquatics Society