



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	8.10 / 10
2019	All India Senior School Certificate Examination	Ramakrishna Mission Vidyapith, Deoghar	92.8%
2017	All India Secondary School Examination	DAV Public School, Deoghar	10 / 10

INTERNSHIPS

- Software Development Engineer Intern | Samsung R&D Institute India - Delhi** [May'23-Jul'23]
- Developed language learning web application using **Reactjs** for state management and **Nodejs, Expressjs** to build server-side application
 - Employed **ffmpeg** to extract **10-sec** frame from a video and transcribed it to text using **Whisper OpenAI NLP** model with **96% accuracy**
 - Utilized **nlk** to dynamically assign grammatical tags to each word, and presented in a tabular format within **10-15 sec** model running time
 - Integrated **dictionaryapi**, showcasing comprehensive word information in modal interface and automated the project using **batch** script
- Business Development Associate Intern | Chatur Ideas (One - stop solution for startups)** [Dec'22]
- Conducted a comprehensive **research** on diverse startups, formulating brochures and pitch decks, and analyzed various funding rounds
 - Spearheaded collaboration with **6 Entrepreneurship Cells** from various colleges and arranged discussion meetings with emerging startups
 - Played a key role in facilitating the integration of the company with **2 startups** actively seeking seed round and pre-seed round funding
- Technology Analyst Intern | Hippiees (India's first automated Online Visa Application Process Platform)** [Jan'23-Mar'23]
- Enhanced the visa service website by fixing bugs, improving performance, adding animations, and maintaining scripts for **MYSQL** database
 - Handled POST requests along with handling exceptions upon user registration utilizing **middlewares** for the secured file handling in **PHP**
 - Executed seamless deployment of the website via **FileZilla**, leveraging the **Apache server** for reliable hosting with uninterrupted access

PROJECTS

- Automatic Lighting System | Course Project | Prof. Prajit Nandi** [Jan'23-Apr'23]
- Designed an automated room and street lighting system based on human presence using Infrared **sensor**, and real-time person-tracking
 - Calculated **BOM** cost (Rs. **920**), discussed pin configurations of each component, and analyzed **battery** life (ranges from **16.6** to **31.6** hrs)
 - Conducted **compatibility tests** (V & I), formulated challenges faced, **risk** assessment and mitigation **plan** & further scope of improvement
 - Executed a simulation in **Proteus**, integrating it with **Arduino** IDE's coded solution, and successfully implemented **hardware** simulations
- Service Hut | Course Project | Prof. Mrigank Sharad** [Sep'21-Nov'21]
- Conceptualized a robust business model, strategically connecting registered service providers with consumers through a web application
 - Segmented the market, identified target market, analysed competitive landscape, and listed points of parity and points of difference
 - Conducted approximate cost analysis over a year (**\$139,500**), resulting in a comprehensive Feasibility Analysis, evaluating venture viability
- Digital Thermometer | Course Project | Prof. Debashis Mandal** [Oct'22-Nov'22]
- Designed a thermistor using **Arduino** to measure temperature within the range (**0-150°C**), achieving resolution of **0.1°C** & accuracy of $\pm 1^\circ\text{C}$
 - Employed **NTC** (Negative Temperature Coefficient) for cost-effective temperature measurement, leveraging the Steinhart-Hart equation

SKILLS AND EXPERTISE

Softwares/Tools: MS Word, MS Excel, MS Powerpoint, Matlab, Simulink, LaTeX, LT Spice, Arduino, Proteus, Project-Libre, Tina-TI, TinkerCad
Electrical Courses: Digital Speech Processing, Controls and Systems, Signals and Systems, Instrumentation Devices, Embedded Systems
CS & Mathematics Courses: Data Structures and Algorithms, Operating Systems, Probability and Statistics, Computer Networks, DBMS

COMPETITION/CONFERENCE

- Secured **State rank 7** in the International **Olympiad** of **Mathematics** 2018 and **State rank 16** in International Olympiad of **Science** 2018
- Obtained an All India Rank within the top **3.5%** (among **170k**) in **JEE Advanced 2020** and top **1%** (among **1.2 million**) in **JEE Mains 2020**
- Achieved peak rating of **1450 (specialist)** on global coding platform **Codeforces** (@Shreyans_6_5) and **1711** on **CodeChef** (@shreyans_1)

ENTREPRENEURIAL EXPERIENCES

- Co-Founder | GetMySponsor (Connect. Raise. Succeed - Your Key to fundraising success)** [Aug'23-Dec'23]
- Co-founded a platform that facilitates personalized sponsorship strategies, connecting right sponsors with entities seeking sponsorship
 - Build connections with over **100 sponsors** and compiled contact details for more than **4000 companies** which are the potential sponsors
 - Collaborated with Shaurya, IIT Kharagpur, and NSSC, IIT Kharagpur and helped them in securing **2** and **3** sponsors for their respective fests

POSITIONS OF RESPONSIBILITY

- Sponsorship and Marketing Head | Space Technology Students Society** [May'22-Apr'23]
- Spearheaded India's largest space-tech fest with participation of **500+ offline** and **2000+ online** enthusiastic individuals across the nation
 - Negotiated and finalized **18** strategic sponsorship agreements, along with the marketing of the fest with **5** media and outreach partners
 - Orchestrated coordination and communication among **9** other heads and over **50+** juniors for the comprehensive management of the fest
- Senior Editor | Technology Literary Society** [Jun'22-May'23]
- Supervised and efficiently coordinated with **40+** juniors to ideate, execute, and successfully release production across various platforms
 - Pioneered society activities like organizing Kavyasandhya and Kavyanjali events for **250+** literary enthusiasts, fostering the literary culture

EXTRA CURRICULAR ACTIVITIES

- Tech:** Designed and developed HJB hall website, serving as a key member of hall web team providing regular information to hall boarders
- Socult:** Attained **5th** position among **18** participating halls in the General Championship of the year 2023 in Hindi **Elocution** Competition
- Sports:** Achieved **Runner-up** position in Intrahall **table tennis** competition and participated in Interhall Cricket in academic year 2021-22