



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.9 / 10
2020	Senior Secondary Examination (CBSE)	Prince Academy, Sikar, Rajasthan	90.60%
2018	Secondary Examination (RBSE)	SH BBSJ SR SEC SCH, Chittorgarh, Rajasthan	85.17%

INTERNSHIPS

Software Development Intern | PlanetRead

dec'23 - Present

- Designing and developing a **Flask-based web application** dedicated to aligning audio files with corresponding text scripts
- Harnessing pydub for MP3/MP4-to-WAV conversion and leveraging **python-docx** for text document conversion significantly enhances the **alignment tool's** overall functionality, guaranteeing **seamless adaptability** to diverse file formats
- Generating synchronized SRT subtitles from TextGrid files, supporting **linguistic** analysis with detailed **phonetic** segmentation

PROJECTS

Recursion-based Sudoku Solver | C++ | Self Project

March'23

- Developed a Sudoku Solver program, which takes input Sudoku puzzles, and solves them using a **backtracking algorithm**
- Tested the program against **4000+ standard test** cases consisting of all possible invalid cases and obtained 100% accuracy
- Implemented a Possibilities class to generate and manage potential values for each cell, optimizing the solving process
- Utilized **object-oriented programming** for modular and reusable code, ensuring smooth input, manipulation, and display

Student Management System | Python | Self Project

March'23

- Developed a Student Management System using **Python**, providing an efficient solution for managing student information
- Designed a **Tkinter-based GUI** application for seamless system interaction, empowering users with an engaging interface
- Successfully implemented key features: adding student details, viewing stored information, resetting forms, and deleting specific records or the entire database, while leveraging **tkcalendar**, **DateTime**, and **tk libraries** for user experience
- Integrated **SQLite3** for robust student record storage, ensuring efficient retrieval, manipulation, and secure data handling

RailOOPS Manager | C++ | Self Project

July'23

- Developed a comprehensive Railway Management System using C++ and applied **Object Oriented Programming** principles
- Designed intuitive and **user-friendly** interfaces to facilitate effortless interaction with the Railway Management System
- Implemented classes for passenger details, ticketing, display, and food services, **utilizing inheritance** for versatile behavior

COURSEWORK INFORMATION

- | | | |
|--|-----------------------------|--|
| •Programming and Data Structure | •Probability and Statistics | •Advanced Calculus |
| •Linear algebra, numerical and complex analysis | •Economics | •Basic Engineering Mechanics |
| •Computer application in metallurgical processes | •Electrical Technology | •Metallurgical Thermodynamics and Kinetics |

SKILLS AND EXPERTISE

- **Skills:** Competitive Programming, Algorithms, and Data Structures, Web development, Object Oriented Programming
- **Languages:** C++, C, Python, HTML, CSS, JavaScript, Arduino, REST API
- **Libraries/Frameworks/Tools:** React, Node.js, Express.js, Git, VS Code, FreeCAD, TinkerCAD

AWARDS AND ACHIEVEMENTS

- Achieved title of pupil with a rating of **1340** on Codeforces, a competitive programming platform. (handle - coderHolo)
- Selected for **Rajasthan Talent Search Examination fellowship**, which is initiated and funded by Rajasthan State Govt
- Secured **3rd district rank** in **Badminton** at **Khelo India Tournament** in 2015, and selected for **State level Championship**
- Part of the **IIT Kharagpur Women's Basketball Team** that were **Silver medal** winner at the **Inter-IIT Sports Meet 2022**
- Part of the **MT Hall Women's Athletics Team** that were **Gold medal** winner at the **Inter-Hall General Championship 2023**
- Part of the **MT Hall Basketball Team** that were **Bronze medal** winner at the **Inter-Hall General Championship 2023**
- Secured a rank among the top 0.6% of the 1 Lac+ shortlisted applicants in **Joint Entrance Examination Advanced 2021**
- Selected for **Rajasthan Gragi Puraskar Yojna** in 2018 and 2020, which is initiated and funded by Rajasthan Govt

POSITIONS OF RESPONSIBILITY

Core Team Member | Rajasthan Cultural Association IIT Kharagpur

Sep'22 - Apr'23

- Successfully planned and organized offline as well as online events, boosting the social media handles to **8.5K+** followers
- Raised a total sponsorship worth **INR 30,000** through online and local sponsors for **Khamma Ghani - The Food Fest Event**
- Participated in **Education Drive Event** at the time of COVID, when schools were closed, and tutored more than **15 students**
- Successfully planned and executed **Khamma Ghani- The Food Fest**, which observed the footfall of **550+ people**

General Secretary | Alumni Affairs | Mother Teresa Hall of Residence

Sep'23 - Present

- Successfully **elected** by an engaged electorate comprising **500 students** and organized Convocation for over **100 Alumni**
- Managed **INR 2.6 L** budget and raised an Alumni Fund of INR 2L by devising an execution plan for a **fundraiser campaign**
- Increased the social media outreach of our hall by **23%** in a span of 6 months by publishing 8+ impactful posts
- Led a team of **15+ secretaries**, designed Annual Hall Magazine, ignited Creative Corner Entries with 26% YoY increase