



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	8.63 / 10
2021	Board of Intermediate Education, Telangana	Sri Chaitanya Junior College	96.40%
2019	Board of Secondary Education, Telangana	Dr K.K.R'S gowtham school	92.00%

PROJECTS

Linux Custom Thread Library | Operating Systems | Self Project [Feb '24 - March '24]

- Built a custom **user-level** thread library (foothread) in C for Linux, using existing libraries of **semaphores** and necessary system calls
- Developed **synchronisation primitives**, including custom mutexes and barriers, to ensure **mutual exclusion** and **deadlock avoidance**
- Designed important thread management features such as **thread creation** and **thread termination** using customised thread attributes
- Tested **tree-based sum computation** using foothread library ensuring seamless **inter-thread communication** and **synchronization**

College Fest Management System | Database Management Systems | Self Project [Nov '23 - Dec '23]

- Designed a web app for college fest management using Node.js, **React**, **PostgreSQL** for backend, frontend, and database respectively
- Designed and implemented role-specific functionalities tailored for Administrators, Students, Volunteers, Organizers and Participants
- Created a user-friendly interface using **React.js** with real time update features, alongside backend logic built with Node.js and Express.js
- Implemented **triggers** and **procedures** to update real-time information of events and others such as event times, venues, and winners

Blockchain IOT Integration | Information systems Lab project | Prof. Mamta Jenamani [Jan '24 - March '24]

- Conducted an in-depth literature review on **blockchain applications** in cold chain systems, identifying key trends and challenges
- Established a **Hyperledger Fabric Blockchain** network with peers, orderers, committers, and clients for secure data transactions
- Developed **Javascript** chaincode to securely store, manage shipment events and temperature data in **CouchDB**, ensuring data integrity
- Implemented a robust notification system with **Nodemailer**, automating real-time email alerts to all stakeholders upon event storage

INTERNSHIPS

TCG Digital | CDC Mode | Technical Consultant / Product Development Intern | UI/UX, ReactJs, FastApi [May '24 - July '24]

- Engineered a drag-drop React-based dashboard widget software, creating widgets, dynamic charts using **React.js**, improving interactivity
- Developed **APIs** with **FastAPI/Flask** to fetch data from Elasticsearch, integrated frontend and backend, and deployed the using **Docker**
- Led development of a Call center platform to improve agent performance using ML, NLP, analytics models, crafting 100+ **Figma** screens
- Built the ReactJS frontend and generated **synthetic data** using **Python** scripts and **AI** tools for a demoable Placement Retention Project

COMPETITION/CONFERENCE

- Achieved a peak rating of **1828 (Expert)** on **Codeforces** (Rishikesh_Reddy_) top site in terms of participation of competitive programmers
- Achieved a peak rating of **2177(5 star)** on **Codechef** (fyu65ht), the top site in terms of participation of competitive programmers
- Secured a **Global Rank of 43** out of over 12,000+ participants in Codeforces Round 905 (Division 3) conducted in october 2023
- Secured **Global Ranks of 21 and 45** in CodeChef Starters 149(Div 1) and CodeChef Starters 141 (Div 1) among 10,000+ participants
- Secured **9th** place out of 300+ participants in the **Astrobyte** coding contest conducted by the **National Student Space Challenge**

AWARDS AND ACHIEVEMENTS

- Achieved **3rd** position in the **Overnite coding contest** conducted by **Kshitij 2023 at IIT Kharagpur** competing among 150+ teams
- Secured **40th** position out of 1000+ teams in the **International Coding League at BITS Pilani** and got selected for the 2nd round
- Achieved an **All India Rank of 424** out of 1600+ teams in the **ICPC Preliminary Round 2023**, demonstrating strong problem-solving skills
- Secured an **All India Rank of 6337** (under 0.7%) out of 9.39 lakh students in the Joint Entrance Examination(**JEE**) **Mains 2021** exam
- Achieved an **All India Rank of 2579** (under 1.8%) out of 1.41 lakh students in the Joint Entrance Examination(**JEE**) **Advanced 2021** exam

POSITIONS OF RESPONSIBILITY

Senior Member | Grimoire of Code | Competitive Programming Club, IIT Kharagpur [Sept '23-Present]

- Curated and designed problems on Data Structures and Algorithms for the GOC-Annual and CDC series, attracting 150+ students
- Conducted workshops and wrote informative blogs on Competitive Programming for juniors, focusing on algorithms and data structures
- Mentored students as a competitive programming guide, providing guidance in problem-solving techniques and algorithmic challenges

CDC Departmental Representative | Career Development Centre, IIT Kharagpur [Sept '23 - Apr '24]

- Selected as part of a **36-member** team to coordinate the IIT Kharagpur recruitment drive, impacting **2600+** students and **300+** companies
- Successfully coordinated recruitment processes, including tests, PPTs, final interviews, with executives of **40+ Fortune 500 companies**
- Secured highest number of offers among all IITs in placement drive that resulted in **1000+** offers by Day **4** with **1600+** total offers

SKILLS AND EXPERTISE

Programming Languages and Web Technologies: C, C++, JavaScript, Python, HTML, CSS, R, IBM Cplex, SQL, MATLAB, MongoDB
Frameworks/Tools : React, Node.js, Express.js, Pandas, Numpy, Figma, STL, Matplotlib, R studio, Git, Docker, Visual Studio, PostgreSQL
Skills: Data Structures and Algorithms, Object-Oriented Programming, Competitive Programming, Problem Solving, Team Player

COURSEWORK INFORMATION

Programming Courses: Data Structures and Algorithms | Machine Learning in Biology | Scalable Data Mining | Statistical Learning Lab
Math Courses: Statistical Learning | Probability and Statistics | Transform Calculus | Advanced Calculus | Linear Algebra
Other Courses: Supply Chain Management | Simulation | Operations Research | Engineering Economy | Management Of Inventory Systems | Introduction to Innovation and Entrepreneurship | Entrepreneurship Essentials | Financial Engineering | Principals of Safety Engineering | Quality Design and Control | Production Planning and Control | Production Design and Planning | Safety Economics