



EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2025	B.TECH	IIT Kharagpur	6.44 / 10
2021	AISSCE	Jawahar Navodaya Vidyalaya , Kottayam	93.8%
2019	AISSE	Jawahar Navodaya Vidyalaya - II, Jibantala	96.2%

INTERNSHIPS

Web Developer Intern | unifiedmentor.com |

[May'24 - July'24]

- Collaborated with team members to implement a frontend feature, **enhancing interface responsiveness by 30%**.
- **Optimized website's performance** by identifying and addressing bottlenecks, **reducing page load times by 20%**.
- Collaborated with co-team members to gain expertise in backend technologies like **Express** and **Node.js**.

PROJECTS

Platform For Seamless Conversation | Self Project

[May'24 - Aug'24]

- Developed a **real-time** robust chat platform using the **MERN stack** and **Socket.io** for bidirectional communication.
- Designed a responsive front-end using **ReactJs**, dynamic **UI libraries**, **React hooks** for seamless user experience.
- Integrated a scalable backend using **ExpressJS** for **user authentications**, managing **friend requests** and **group chats**.
- Used **JavaScript** and **MongoDB** to create flexible **schemas** and **APIs** for handling the **various file transfers** in chat.
- Integrated an **admin dashboard** allowing access to last 7 days chats and messages, secured with a secret key.
- Enabled **voice/video calling** features with **videosdk** and integrated a secure payment gateway with **Razorpay**.

Airline Reservation System | Self Project

[May'24 - Jun'24]

- Developed an airline reservation system in **C++** to manage flight schedules, seat availability using **OOP**.
- **Optimized search and booking** using **binary search** and **hash maps** for fast, real-time reservation processing.
- Implemented secure, scalable backend logic in **C++** to support **concurrent user access** and maintain data integrity.
- Streamlined user interfaces for passengers and travel agents using **STL**, significantly **reducing booking errors**.

Comprehensive Platform for Movie Watching and Downloading | Self Project

[Jan'24 - Apr'24]

- Developed **CinemaHub**, a robust versatile platform leveraging the **MERN stack**, offering a seamless user experience.
- Utilized **BCrypt** and **ExpressJs** for handling API requests, authentication routes, allowing users to register and login.
- Integrated **ReactJS** and **RESTful APIs** for users to watch movie trailers and public reviews stored in **MongoDB**.
- Enabled direct access to high-quality downloads via **ExpressJS** for efficient, seamless cross-device content access.

COMPETITION/CONFERENCE

- Achieved an impressive rank of **522** out of **1,984** participants in **GeeksforGeeks Weekly Contest-167**.
- Secured **188th** rank in **Code360 Weekly Contest 134**, showcasing strong competitive programming skills.
- Achieved a **global rating of 1570 on GeeksforGeeks**, demonstrating exceptional proficiency in programming.
- Solved **500+** coding problems in five months across different platforms including **Leetcode, GeeksforGeeks** etc.

AWARDS AND ACHIEVEMENTS

- Received 2-year **JEE coaching scholarship** from the **Dakshana Foundation** after clearing **NCST selection exam (2019)**.
- Received the prestigious **Foundation For Excellence 4-year Scholarship**, recognizing **academic excellence(2021)**.
- Received a **Gold medal** in the **NSS winter camp** as a part of an entire unit competing against 15 other units **(2022)**.

SKILLS AND EXPERTISE

- **Programming Languages : Proficient:** C++ | HTML5 | CSS3 | JavaScript | **Familiar:** C | R | TypeScript | Python | OPL
- **Frameworks: Proficient:** NextJs | Bootstrap | **Familiar:** NodeJs | ExpressJs | Tailwind CSS
- **Libraries: Proficient:** ReactJs | Material UI | Next UI | Socket.io | **Familiar:** Chakra UI
- **Softwares/Tools:** Visual Studio Code | Postman | Git & GitHub | Mongodb Atlas | **Familiar:** RStudio | Cplex | Matlab

COURSEWORK INFORMATION

- **Computer Science** : Programming and Data Structures, Data Structures & Algorithms, Operating Systems, Genetic Algorithms
- **Mathematics**: Probability and Statistics, Transform Calculus, Operations Research, Statistical Learning, Large Scale Optimization
- **Core Courses** : Supply Chain Management, Reliability Engineering, Simulation, Quality Design & Control, Economics

EXTRA CURRICULAR ACTIVITIES

- Served as a dedicated member of the **National Service Scheme (NSS)** at **IIT Kharagpur** and actively participated in various plantation and **community development programs**, contributed significantly to social and cultural initiatives.