Pathuri Sai Pradeep Chand

Bachelor of Technology
in Electrical Engineering
Indian Institute Of Technology, Ropar

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EDUCATION

Degree	Institute/Board	CGPA/Percentage	Year
Bachelor of Technology	Indian Institute of Technology, Ropar	6.59 (Till 5th Sem)	2022-2026
Senior Secondary	Central Board of Secondary Education	83.6%	2022
Secondary	Central Board of Secondary Education	10	2020

PROJECTS

- **Realtime Spotify Chat** *Nov 2024 - Dec 2024*
  MERN Stack | Deployed at realtime-spotify-chat-1.onrender.com **Github**
  - Developed a full-stack music streaming and chat web application using the MERN stack and TypeScript, delivering seamless music playback and real-time user interactions.
  - Leveraged MongoDB for storing user profiles, playlists, and live chat logs, ensuring robust and secure data persistence.
  - Crafted an intuitive user interface with React and Tailwind CSS, enabling smooth navigation, dynamic music controls (next/previous, volume adjustment), and engaging chat features.
  - Implemented real-time functionality using WebSockets, allowing users to view live updates of what others are listening to and interact via instant messaging.
  - Integrated secure authentication with Clerk and established RESTful APIs with Express.js, ensuring safe user sessions and backend communication.

- **Social Network Friend Recommendation System** *Oct 2024 - Oct 2024*
  Social Network Friend Recommendation System **Github**
  - Developed a C++ program to implement a friend recommendation system using graph-based algorithms to identify potential connections in a social network.
  - Designed an efficient algorithm leveraging shortest paths, mutual connections, and graph traversal techniques to analyze user relationships and recommend new friends.
  - Showcased proficiency in graph theory, data structures, and problem-solving by creating a scalable and practical solution for social network applications.

TECHNICAL SKILLS

- **Programming Languages**: C, C++,Javascript
- **Frameworks and Libraries**: Node.js, Express, React,Next.js, Tailwind CSS, Mongoose
- **Other tools**: HTML, CSS, Git/Github,Overleaf, MongoDB, Clerk
- **Soft Skills**: Communication Skills, Teamwork, Leadership, Time Management

KEY COURSES TAKEN

- **Mathematics**: Calculus, Linear Algebra, Differential Equations, Probability and Stochastic Processes
- **Computing Courses**: Introduction to computing and data structures, Data Structures &Algorithms (Udemy) - learning

POSITIONS OF RESPONSIBILITY

- **Overall Head of Sponsorship Team**,Aarohan Sports Fest, IIT Ropar *Dec. 2024 - present*
- **Co-Head of sponsorship Team**,Aarohan Sports Fest, IIT Ropar *Dec. 2023 - Mar. 2024*
- **Treasurer**,Telugu Cultural Association, IIT Ropar *Mar. 2024 - Present*
- **Member Of Sponsorship Team**,Advitiya Tech Fest, IIT Ropar *Dec. 2023 - Feb. 2024*
- **Member Of Security & Hospitality Team**,Aarohan Sports Fest , IIT Ropar *Dec. 2023 - Mar. 2024*

MISCELLANEOUS

- **Silver Medal IYSC 23 Basketball Competition**,IYSC 23 BasketBall: dedicated training ,triumphant achievement. *2023*
- **JEE MAINS**,JEE MAINS conducted by NTA in June 2022. *2022*
- **JEE ADVANCED**, JEE ADVANCED conducted by IIT Bombay in Aug 2022. *2022*
- **AP Eamcet**,Secured AIR 177 (Top 0.06%) in AP EAMCET 2022. *2022*