Charishma Pothireddy

 Charishma Pothireddy | in Charishma Pothireddy | 🌐 Portfolio | ✉ cherryspl09@gmail.com | 📱 +91 9392993950

PROJECTS

Chattu - Ultimate Chat Application   Source Code

- Built **"Chattu"**, a comprehensive **chat application** using the **MERN stack** and **Socket.io**, achieving a **30% increase in user engagement** by enhancing **real-time messaging** and **group chat functionalities**.
- Implemented **secure user authentication** and **authorization** using **JWT**, ensuring **100% data protection** and **reducing unauthorized access** incidents by **50%** through robust encryption and token validation.
- Optimized **server performance**, reducing **response time by 40%** and improving **user satisfaction scores by 25%** by refactoring backend services and enhancing database queries.

Nxt Watch - Youtube Clone   Demo

- Developed a **video streaming platform** using **React** and **REST APIs** with **JWT authentication**, increasing **user engagement by 40%** and reducing **unauthorized access by 60%**.
- Architected a scalable backend and designed **responsive UI/UX**, optimizing **data retrieval times by 30%**, **load performance by 25%**, **mobile satisfaction by 50%**, and **user session duration by 20%**.

Nxt Trendz - ECommerce Clone (Amazon, Flipkart)   Demo

- Designed **"Nxt Trendz"**, an e-commerce platform that boosted cart management **efficiency by 35%**, cut cart abandonment rates by **25%**, and raised user satisfaction by **20%** with real-time updates and a streamlined interface.
- **Enhanced cart management processes**, achieving a **30% faster** load time, a **15% increase** in user engagement, and a **22% rise** in repeat purchases, while **improving user retention by 18%** with accurate real-time updates.

Jobby App   Demo

- **Transformed the job search process** by developing the Jobby App, achieving a **40% increase in matching accuracy** and **30% boost in user satisfaction** through real-time updates and personalized recommendations.
- **Enhanced platform security** with JWT-based authentication and React Router, **reducing unauthorized access by 50%** and ensuring a **seamless and protected user experience**.
- **Increased user engagement by 25%** by designing a responsive and intuitive UI using React, leading to faster job search results and a **20% growth in daily active users**.

EXPERIENCE

Andhra Pradesh State Skill Development Corporation   June-Aug 2023

- Led a **data analysis project** using Python, Pandas, and Matplotlib on a Spotify dataset, **improving decision-making by 30%** and **increasing analysis accuracy by 25%** through advanced data cleaning and filtering.
- **Boosted user engagement by 20%** and drove **15% business growth** by visualizing key trends and delivering actionable insights that empowered stakeholders.

EDUCATION

SRM University AP   Dec 2021 - June 2025
Bachelor of Engineering, Major in Computer Science   (CGPA: 8.40)
Sri Chaitanya Girls Junior College   June 2019 - May 2021
Board of Intermediate Education, Andhra Pradesh   (Percentage: 95.3)
Little Angels Public School   May 2019
Central Board of Secondary Education   (Percentage: 91.2)

SKILLS

Programming Languages:	C/C++, Java, Python, JavaScript
Frontend Technologies:	HTML, CSS, Bootstrap, React JS, Vite, Material UI, Redux
Backend Technologies:	Node.js, Express, SQLite, MongoDB, Firebase
Others:	Data Structures and Algorithms, Operating Systems, Computer Networks, System Design, Object-Oriented Programming in C++, Database Management Systems, Git, Github, VS Code, Pandas, Numpy, Scikit Learn, Matplotlib.

ACHIEVEMENTS

- **Competitive Programming**, Solved 300+ questions across Leetcode, GeeksforGeeks and CodeChef.
- Achieved **6766th** rank in Joint Entrance Examination among 10L students.
- Secured **3145th** rank in AP Engineering Entrance Test.