JAI TEJA CHONGALA

Bobbili, Andhra Pradesh, India

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Education

GMR Institute of Technology	**Dec 2021 - Jun 2025**
Bachelor of Technology in Computer Science(CGPA of 8.61)	*Andhra Pradesh, India*
Nxtwave Disruptive Technologies	**Apr 2022 - Ongoing**
Industry-Ready Certification in Full-stack Development	*Telangana, India*
Sri Viswa Junior College	**Jun 2019 - Apr 2021**
Intermediate (XII)(94.7%)	*Andhra Pradesh, India*
Ravindra Bharathi School	**Jun 2018 − Apr 2019**
Matriculation (X)(GPA of 9.8)	*Andhra Pradesh, India*

Projects

Elective Registration System | *ReactJs, Tailwind CSS, NodeJs, ExpressJs, MongoDB* | Live | Code | Demo   **Aug 2024**
- Engineered a full-stack web application that increased registration efficiency by **30%** by implementing **real-time seat availability** and **role-based access management**, reducing manual registration errors for over **1,000 students**.
- Created and optimized **RESTful APIs**, handling data flow for over **1,000 student registrations**; automated tasks using **CronJobs**, cutting manual work by **50%** and improving system reliability.
- Implemented **JWT authentication** and **bcrypt password encryption**, increasing security and reducing unauthorized access attempts by **40%**, resulting in a **20%** boost in user satisfaction.

Wikipedia Search Application | *ReactJs, Bootstrap, NodeJs, ExpressJs, Sqlite* | Live | Code | Demo   **Sep 2023**
- Developed a full-stack Wikipedia search application that enhanced search efficiency by **40%**, allowing users to browse over **6,000,000** articles and images with an intuitive interface.
- Implemented **user authentication** and **personalized profiles**, managing browsing history and preferences with adaptive **light and dark modes**, leading to a significant increase in user engagement.
- Enabled sharing of Wikipedia URLs across **5 major social media platforms** and implemented **pagination**, reducing page load times by **25%** and enhancing user experience.

Sudoku Solver | *ReactJs, Tailwind CSS* | Live | Code | Demo   **May 2024**
- Developed a responsive Sudoku Solver application supporting **9 different board sizes**, increasing user engagement by **30%** with an interactive UI and real-time puzzle-solving feedback.
- Implemented a **Backtracking Algorithm** with **Recursion**, achieving a **99%** accuracy rate in puzzle-solving across **9 board sizes**, reducing solving time by **20%**.
- Developed features including **puzzle generation**, **reset**, and **one-click solving**, boosting user satisfaction by **25%** and increasing interaction frequency by **15%**.

Experience

OptionMate Research And Consulting	**Aug 2024 - Ongoing**
Full Stack Developer Intern	*Remote*

- Developing a full-stack web application to visualize stock market data, **enhancing data accessibility and user interaction**.
- Executed **real-time data updates** using **Socket.IO**, with a focus on reducing data latency by **40%** and improving overall system performance.
- Leveraged **ReactJS, NodeJS, ExpressJS, MySQL**, and **Socket.IO** to manage user interactions and ensure **scalability** and efficient data handling for high transaction volumes.

Achievements

- Solved **780+** Problems on GeeksForGeeks, **370+** on Leetcode and **400+** on CodeChef
- Highest rating of **1441** and rated **2*** at CodeChef
- Winner of the Coding Competition organized by the GeeksforGeeks Student Chapter, held at our college, competing against **250+** CSE students.
- Ranked **2nd** on campus at GeeksForGeeks coding platform.

Leadership & Involvement

- **Technical Lead**, CodeChef Student Chapter of GMRIT
- **Teaching Assistant**, NxtWave Disruptive Technologies

Profile Links

GeeksForGeeks   CodeChef   LeetCode

Technical Skills

Languages: C++, C, Python, Java
Web Development and Database: HTML5, CSS3, ReactJs, Redux, NodeJs, ExpressJs, SQL, MongoDB, Firebase, Socket.io, Tailwind CSS, Bootstrap
Core Subjects: DBMS, OOPS, DSA
Developer Tools and Technologies: Linux, VS Code, Jupyter Notebook, Git, GitHub, Heroku, Vercel