

# CHAKKA SAI CHARITHA

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## Education

### Indian Institute of Information Technology and Management - Gwalior

2022 – 2026

Bachelor of Technology in Computer Science — CGPA:8.67

Gwalior, Madhya Pradesh

### Sri Chaitanya Junior College - Hyderabad

2020 – 2022

Class-XII:98.2%

Class-X:100%

## Relevant Coursework

- Data Structures
- Algorithm Analysis
- Operating Systems
- Computer Architecture
- OOPS
- Database Management
- Computer Networks
- Software Engineering

## Experience

### WSA

July 2024 – August 2024

MERN Stack Developer Intern

Bangalore, Remote

- Implemented secure user authentication mechanisms, including **multi-factor authentication (MFA)**, session management, and encryption, reducing security vulnerabilities by **40%**.
- Developed and integrated a responsive UI using **React.js** and **Bootstrap**, achieving **99%** mobile responsiveness and improving engagement across **10+** device types.
- Optimized API performance through efficient database queries, caching, and load balancing, reducing response times by **30%**.
- Collaborated with cross-functional teams to design and deploy full-stack modules, demonstrating versatility across frontend, backend, and containerized deployments.

## Projects

### AI Virtual Try-On & Smart Shopping | MERN, OpenCV, TensorFlow, GANs, Web Scraping, ARKit

Mar 2025

- Engineered an AI virtual try-on system with **95%+ accuracy**, allowing users to test cosmetics and facial hair; expanding to full-body and accessories using deep learning.
- Built a real-time price comparison engine fetching data from **25+ platforms**, reducing manual price checks by **70%**.
- Integrated an NLP chatbot, boosting user engagement by **40%**, and designed an AI outfit generator for customizable fashion recommendations.

### HireHub | Frontend, Node.js, Express.js, MongoDB

Aug 2024

- Engineered a web application for the **Placement Cell (CDPC)** of **ABV-IIITM, Gwalior**, streamlining student-employer interactions for **300+ students** through an intuitive and scalable platform.
- Integrated **50+ dynamic job postings**, real-time application tracking, and instant notification systems to enhance transparency and reduce communication delays.
- Optimized backend performance using **MongoDB** and **Node.js**, achieving **99.9% uptime** and ensuring secure, low-latency data operations under high traffic.

### SudoPlay | HTML, CSS, JavaScript, CSP, Algorithms

Mar 2024

- Implemented an AI-powered Sudoku Solver using Constraint Satisfaction and Backtracking, solving puzzles in under **30 seconds** on average.
- Designed an interactive interface for seamless puzzle input and real-time solutions, increasing user engagement by **30%**.
- Enhanced UX with visual feedback and step-by-step solution animations, effectively showcasing AI efficiency.

## Technical Skills

**Languages:** C, C++, Python, Java, JavaScript, HTML, CSS, SQL

**Frameworks & Tools:** React.js, Node.js, Express.js, Redux, Bootstrap, SASS, Docker, Mongoose, jQuery

**Databases:** MongoDB, MySQL

**AI/ML & Data:** TensorFlow, Keras, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn, Machine Learning, Neural Networks

**Other Skills:** DSA, DBMS, REST APIs, UI/UX, Git/GitHub, Power BI, Tableau, Excel, Canva

## Leadership / Extracurricular

- Finalist – **Walmart CodeHers 2025**; All India Rank **8th** – **Naukri Young Turks** (500,000+ participants).
- **NTSE Scholar** – Telangana State Rank **1**, National Top **200**; **Reliance Foundation Scholar** for academic excellence.
- Member – **Google Women Techmakers**, **Amazon WOW**; Tech Lead at E-Cell, SGM Club Teacher, Classical Dancer at Beathoppers.