VASU CHIPPA

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# SUMMARY

Innovative and detail-oriented **Software Engineer** skilled in developing efficient, user-friendly web applications using **React.js, Node.js, Express.js, and modern databases**. Experienced in full-stack development, performance tuning, and cloud deployment. Known for building impactful projects like a **Smart Farming Platform** and a **Cloud-based Hospital Management System** that improve automation, analytics, and user experience.

# EDUCATION

SR University, Warangal

B.Tech in Computer Science & Engineering | 2023 – 2027 | CGPA: 8.00

Shivani Junior College, Warangal

Intermediate (MPC) | 2021 – 2023 | Score: 92.4%

Adarsha High School, Warangal Completed: 2021 | CGPA: 10.0

# PROJECTS

**Farm Friend – Smart Farming Platform**

Developed a full-stack web application for **crop lifecycle tracking, expense & profit analysis, activity scheduling, and farmer–buyer marketplace** with optimized database performance.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB Atlas, JWT, Axios, CSS3

**Global Next-Gen Hospital Management System**

Developed a full-stack hospital automation platform for managing doctors, patients, billing, and appointments with real-time data sync and secure cloud deployment.

**Tech Stack:** React.js, Node.js, Express.js, MongoDB Atlas, JWT, Socket.IO  
 🌐 **Live:** [hosptital-management-system.netlify.app](https://hosptital-management-system.netlify.app/)

# TECHNICAL SKILLS

Programming Languages: Java, Python

Web Development: HTML,CSS, JavaScript, React.js, Node.js, Express.js

Databases: MongoDB, MySQL

Git, GitHub, VS Code

# CERTIFICATIONS

# MongoDB Certified Associate Developer – *MongoDB University*

# ACHIEVEMENTS

# Published Indian Patent (Application No. 202441068253 A) titled *“Anti-Drowsiness Driver Alert System”* — a low-cost IR sensor–based Arduino system designed to detect driver drowsiness and prevent accidents.

* Contributed to open-source projects on GitHub, focusing on web development, API integration, and bug fixing.