

# SRIRAMA CHAITANYA

+91-9502196104 ♦ Visakhapatnam, IN

[sriramchaitanya06@gmail.com](mailto:sriramchaitanya06@gmail.com) ♦ [GitHub](#) ♦ [LinkedIn](#) ♦ [LeetCode](#) ♦ [CodeChef](#) ♦ [CodeForces](#)

## EDUCATION

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**BTech in Information Technology**, Gayatri Vidya Parishad College of Engineering (GPA 8.91/10) 2023 - 2027

## SKILLS

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**Languages** Java, JavaScript, Python, C, C++, HTML, CSS  
**Frameworks** React.JS, Express.JS, Bootstrap, Tailwind CSS  
**Tools** Git, GitHub, Jira, Docker, Linux, n8n, MCP, LLM's, Sequelize, BullMQ, AWS  
**Database** SQLite, MongoDB, Redis

## PROJECTS

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- **Automation Hub** – Developed a full-stack automation tool that reduces manual alert processing and triage time by over **95%**. The system ingests unstructured email alerts, programmatically creates structured **Jira tickets**, and dispatches tiered notifications across **3+ channels (Discord, SMS, Voice Call)** based on keyword triggers and rule priority. Improved alert processing reliability to **100%** using a **Redis-backed job queue**, eliminating the risk of missed incidents. Enhanced system observability and usability by building separate **React-based dashboards** for administrators to manage rules and for users to track issue statuses. [GitHub](#)
- **Bharat Warehouse Optimiser** – Developed a full-stack warehouse optimization simulator using **React**, **Node.js**, and **PostgreSQL** with drag-and-drop layout designer and real-time robot pathfinding simulation. Implemented AI-powered **A\* pathfinding** and **Traveling Salesman Problem (TSP) solver** algorithms reducing warehouse travel distances by **25%** and improving operational efficiency. Built analytics dashboard with ROI calculator projecting **Rs.784L annual savings** across **56+ store locations** and designed seasonal optimization system handling **2.5x order volume** during peak periods while maintaining **85–90% efficiency**. [GitHub](#)
- **Nxt Trends E-commerce Platform** – Developed a React.js e-commerce application with JWT authentication, protected routes, dynamic product filtering, and advanced shopping cart management. Built responsive UI components using Context API for state management, React Router for navigation, and REST API integration across multiple product categories. [GitHub](#)
- **Twitter Clone Backend API** - Built a RESTful social media backend using Node.js, Express.js, and SQLite with JWT authentication, user management, tweet operations, and follow functionality. Implemented secure password hashing, complex SQL queries for feeds and analytics, and access control mechanisms. [GitHub](#)

## ACHIEVEMENTS

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- Solved **600+ DSA & CP problems** across multiple platforms, strengthening algorithmic thinking.
- Developed and contributed to **3+ projects** that effectively solved practical real-world problems by addressing existing limitations.
- **Coding Profile Ratings** : LeetCode (**1738**), CodeChef **1482 (2 star)**, CodeForces : **1156 (newbie)**
- **1x Winner** of the **CODEX Coding Contest**, organized by IEEE SB WIE GVPCE(A).

## CERTIFICATIONS

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- Comprehensive record of completed online certifications and professional courses. [Drive](#)