

MURALI SUDIREDDY

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EDUCATION

CVR College Of Engineering, Ibrahimpattanam

B.Tech in Computer Science

CGPA: 9.01/10.0

Nov 2022 - Jun 2026

Sri Chaitanya Junior College

Intermediate Education (MPC)

Percentage : 98%

May 2020 - Jun 2022

PROJECTS

AnnSeva: Zero Hunger Food Distribution Platform [↗](#) | MERN Stack, Fast2SMS API

June 2024 – Oct 2024

- Engineered a secure, multi-tenant access system with OTP authentication using Fast2SMS API, streamlining user onboarding for donors, receivers, and volunteers and reducing login friction by 85%.
- Architected a bidirectional food distribution workflow connecting donors and receivers directly with intelligent volunteer assignment, cutting food waste by 40% and enhancing delivery efficiency by 60%.
- Implemented MongoDB aggregation pipelines to match donation requests with availability, improving successful delivery rates by 45% and scaling impact across 30+ registered NGOs.

AI-Powered Smart Inventory Management System [↗](#) | MERN Stack, PostgreSQL, Scikit-learn, Razorpay

Nov 2024 – Feb 2025

- Created an AI-driven inventory optimization platform with machine learning models using Scikit-learn for demand forecasting and intelligent reorder quantity calculation, improving stock level optimization by 55% and reducing overstock by 30%.
- Established a secure role-based access control system spanning 5 user types, featuring real-time inventory visibility and expiry management, resulting in a 95% reduction in stockouts company-wide.
- Designed comprehensive management dashboards with real-time analytics, scheduled email notifications via Nodemailer, and secure Razorpay payment integration, enabling data-driven decision making and increasing overall sales by 40%.

Pick & Partner [↗](#) | Next.js, Node.js, Cloudflare workers, PostgreSQL

Sep 2024 – July 2025

- Engineered a cross-promotion ecosystem managing 150+ newsletters with 300,000+ subscribers, implementing intelligent subscriber sharing algorithms that increased individual newsletter growth by 30% through strategic partner matching.
- Conceived intelligent UTM link generation system with FingerprintJS for unique user tracking and Cloudflare-powered redirection, reducing latency by 60% and achieving 95% accurate click attribution across promotional campaigns.
- Created Discord bot using Discord.js for real-time newsletter community management, facilitating manual cross-promotion workflows and increasing platform user engagement by 40% through streamlined partnership processes.

Winqroo [↗](#) | Next.js, Node.js, Elasticsearch, PostgreSQL

Feb 2025 – June 2025

- Engineered a scalable end-to-end influencer marketing platform enabling seamless brand-creator collaboration and secure REST APIs for maintainability and high availability.
- Optimized API response times from 1.2s to 200ms through efficient query structuring, caching strategies, and PostgreSQL indexing, significantly enhancing user experience and throughput.
- Enhanced Elasticsearch-powered niche-mapping engine with advanced analyzers and relevance tuning, achieving 70% higher search precision and 65% lower query latency.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, TypeScript, C/C++, SQL

Backend Development: Node.js, Express.js, RESTful APIs, Authentication (JWT, OAuth)

Frontend Development: React.js, Next.js, Tailwind CSS, shadcn/ui

Database Systems: PostgreSQL, MongoDB, MySQL, Prisma ORM

Cloud & DevOps: Docker, Vercel, Cloudflare

Testing & Version Control: Postman, Git, GitHub

CERTIFICATIONS & AWARDS [↗](#)

Google Generative AI Virtual Internship (Google Cloud) [↗](#)

Oracle Database Certifications (Database Design, Database Programming with SQL) [↗](#)

Full Stack Development (100xDevs)

4th Place - GDG Solution Challenge Hackathon [↗](#): Secured 4th place by designing a food waste management system to distribute surplus food to people in need.

Delivered a project for a Y Combinator-affiliated client [↗](#): Successfully delivered a custom Discord bot for a Y Combinator-backed startup, automating community workflows and enhancing user engagement.