

# Manupati Ramana Kumar

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## Professional Summary

Full Stack Developer skilled in JavaScript/TypeScript, React, Next.js, and Node.js, with a focus on building scalable, cloud-native applications. Delivered production-grade systems with GPT-4 integration, optimized UI/UX, and streamlined DevOps pipelines for high-performance delivery.

## Technical Skills

**Languages:** JavaScript (ES6+), TypeScript, Python, Java  
**Frontend:** React.js, Next.js, Tailwind CSS, HTML5, CSS3  
**Backend:** Node.js, Express.js, REST APIs, JWT  
**Databases:** PostgreSQL, MongoDB, MySQL  
**AI:** GPT-4, Gemini API, Hugging Face Transformers  
**DevOps/Tools:** Git, GitHub, Docker, CI/CD, Postman, Figma

## Experience

**Full Stack Developer Intern At YEBSYS** **Coimbatore, Tamil Nadu**  
Sep 2024 – Dec 2024

- Built a UPI/card-integrated payment platform using TypeScript + Next.js, increasing transaction by 20%.
- Reduced UI load time by 35% through responsive optimization with Tailwind CSS and lazy loading.
- Implemented Dockerized webhooks and established CI/CD pipelines via GitHub Actions.

## Projects

**Rephrase AI Platform** **Next.js, Typescript, GPT-4, Hugging Face, PostgreSQL, Stripe**

- Built an AI-driven PDF summarization platform with GPT-4, Gemini, and Hugging Face, featuring smart API fallback handling.
- Managed 50+ user tasks in PostgreSQL, implemented real-time progress tracking via WebSockets.
- Integrated Stripe for subscription management and API key gating.

**CaseCobra E-Commerce** **Next.js, PostgreSQL, Stripe, CI/CD**

- Created 3D preview-based storefront with admin dashboards and secure Stripe checkout integration.
- Streamlined backend order tracking system with payment flow and refund logic.
- Deployed production via CI/CD on Vercel, cutting manual deployment time by 90%.

**Blog Platform** **MERN Stack**

- Designed CRUD-enabled blogging system with protected routes and content schema validation.
- Styled reusable React components using Tailwind and enforced role-based backend access.
- Boosted page load speed by 45% through component memoization and code-splitting.

**ATOP Health Vault** **Next.js, PostgreSQL, Stripe, Typescript, Javascript**

- Developed frontend and backend for health record vault using Next.js & PostgreSQL during a university hackathon.
- Integrated JWT-based login system with refresh token logic, reducing unauthorized access by 95%.

## Education

**Dhanalakshmi Srinivasan University** **Tiruchirappalli, Tamil Nadu**  
B.Tech in Artificial Intelligence and Data Science | **Graduated:** May 2025  
**CGPA:** 7.69/10 | Team lead for multiple academic projects.

## Achievements

- DSU Hack-O-Verse 2024:** 1st place among 170+ teams | Awarded \$800 + seed funding
- AlgoBharat Hackathon:** 2nd place (Invited to Algorand Greenhouse Hack, Singapore)
- Research Paper Publication – IJARIT (May–June 2025):** Published a paper on Quantum-Inspired Deep Learning for Financial Data Processing in IJARIT (Vol.11, Issue 3).