

Vinay Reddy Oppuri

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Summary

Full Stack Developer with experience building scalable web applications using Next.js, React, TypeScript, Node.js, and PostgreSQL. Interested in AI-powered systems, clean backend architecture, and performance-focused UI development.

Technical Skills

Languages: C, C++, JavaScript, TypeScript, Python

Frontend: React, Next.js, HTML5, CSS3, Tailwind CSS

Backend: Node.js, tRPC, REST APIs, Authentication Systems

Databases & ORM: PostgreSQL (NeonDB), MongoDB, Drizzle ORM

AI & Systems: Gemini AI, Grok, Prompt Engineering

Tools: Git, GitHub, Docker, Vercel, CI/CD, npm

Experience

Website Development Team Member

IIT Raichur

Official College Website — iitr.ac.in

- Contributed to the development and maintenance of the official college website.
- Worked on the legacy site built with HTML, CSS, and JavaScript.
- Currently rebuilding and modernizing the website using Next.js.
- Migrating static pages to a component-based architecture for better maintainability.

Projects

Inzite [Next.js, React, TypeScript, PostgreSQL, Gemini AI]

GitHub (Sep 2024)

Problem: Early-stage founders lack reliable, centralized market and competitor insights.

- Built an AI-powered startup intelligence platform providing market analysis, competitor insights, and strategic recommendations.
- Designed interactive dashboards using Next.js, React, and Tailwind CSS to visualize complex market data clearly.
- Integrated Gemini AI to generate trend forecasts, competitive summaries, and technology stack evaluations.
- Implemented a scalable backend using Node.js, Drizzle ORM, PostgreSQL, and deployed the platform on Vercel.

Resanlys [Next.js, TypeScript, tRPC, PostgreSQL, Gemini AI]

GitHub (Dec 2025)

Problem: Job seekers struggle to understand resume-job fit and discover relevant roles.

- Developed an AI-driven platform that analyzes resumes against job descriptions to compute match scores and identify skill gaps.
- Implemented resume parsing pipelines to extract structured skills, experience, and keywords from uploaded resumes.
- Generated optimized job search queries using job title, job description, and user-selected location to find relevant roles.
- Enabled ATS-compliant LaTeX resume generation with explainable AI feedback using Next.js, tRPC, PostgreSQL, and Gemini AI.

Education

Bachelor of Technology in Artificial Intelligence & Data Science

Indian Institute of Information Technology, Raichur

Expected Graduation: 2027

Relevant Coursework: Agentic AI, Generative AI, Data Structures, Algorithms, DBMS, Operating Systems, Artificial Intelligence, Machine Learning, Deep Learning

References available upon request