Yeswanth Madasu

9032690321 | work.yeswanth@gmail.com | github.com/yeswanth49 | linkedin.com/in/yeswanthm

SUMMARY

Frontend-focused developer with entrepreneurial drive, building accessible, performant web apps using React.js, Next.js, Node.js, and REST APIs. Experienced in cloud databases (Supabase, PostgreSQL, MongoDB), API testing, automated UI testing, and production deployment. Strong foundation in data structures and algorithms, open-source collaboration, and launching projects from idea to production.

EDUCATION

Pragati Engineering College   Surampalem
Bachelor of Technology in Computer Science and Engineering   *2023 – 2027*

Aditya Junior College   Srinagar, Kakinada
MPC   *2021 – 2023*

PROFESSIONAL EXPERIENCE

Founder & Developer — OpenBook | *Next.js, React, TypeScript, Tailwind CSS, AI SDK, Vercel*   2024 – Present
- Built AI-powered research/learning platform with Next.js (App Router) + Tailwind; streaming chat and rich Markdown/LaTeX
- Orchestrated 5+ AI providers via AI SDK (tool-calling, structured outputs, server-side streaming)
- Implemented 3 study workflows (spaced repetition, memory palace, Feynman) and 2 web search tools (Exa, Tavily)
- Added rate limiting and structured logging middleware; instrumented 3 analytics layers (PostHog, Vercel Analytics, Speed Insights)
- Delivered PWA install experience; deployed on Vercel (serverless/edge) with streaming responses
- goopenbook.in — GitHub

Founder & Developer — safeLINK | *Flask, SQLite, Jinja2, QR (qrcode/Pillow), WebRTC, Gunicorn* 2024 – Present
- Mobile-first emergency QR profile app; generates QR-linked profiles for rapid access
- SQLite + Jinja2 CRUD; server-side QR generation (qrcode/Pillow) with secure IDs; inline/downloadable PNGs
- In-browser QR scanner using WebRTC getUserMedia + jsQR; guided UX with modal prompts
- Exposed 8 routes (landing, template select, generate, profile, download, scanner, edit, verify)
- Password-gated edits with JSON verification; production-ready with Gunicorn

Founder & Developer — PEC.UP | *HTML, CSS, JavaScript, Node.js*   2023 – Present
- Resource-sharing platform with 1.5k+ registered users; handled 1–2k peak concurrent during exams
- Implemented responsive layouts and performance optimizations for seamless cross-device UX
- Integrated REST APIs for dynamic content delivery and user management

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML, CSS, TailwindCSS, Responsive Design, Accessibility (WCAG), SEO
Backend: Node.js, Flask, FastAPI
Databases: Supabase, PostgreSQL, MongoDB, SQL basics
APIs & Testing: REST API integration (Axios, Fetch), Postman, Selenium, Jest, React Testing Library, Unit Testing
Deployment & Tools: Vercel, Netlify, Render, Docker, CI/CD (GitHub Actions)
Version Control: Git, GitHub
Other: Python, Java, C, Google Cloud Platform