Suthakar Anburaj

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Profile Summary

Backend-focused Software Engineer with hands-on experience in building **robust**, **scalable systems** using **Node.js**, **Express.js**, **SQL** and **MongoDB**. Proven ability to ship production-grade applications used by **5K–10K+ daily users**. Strong knowledge of **API design**, **database optimization**, and **secure authentication** mechanisms using JWT. Passionate about **distributed systems** and **system design**. Experienced in Agile environments, team collaboration, and mentoring. **Solved 400+ DSA** problems across platforms; **Top 25** rank in GFG (college-wise).

Skills

Languages: JavaScript, TypeScript, C++, Python	**Dev Tools:** Git, GitHub, GitLab, Postman, VSCode, PyCharm, Cloudinary
Backend: Node.js, Express.js, Prisma, REST APIs, API security	**Other:** AWS, OAuth, Google Auth, Razorpay Integration, PDF/Excel Generation, Deployment (Vercel/Render),Agile
Frontend: React.js, Next.js, Vue.js, Zustand, Tailwind CSS, SCSS	
Familiar With: Docker, CI/CD pipelines, Redis, Microservices	**Databases:** MongoDB, MySQL, PostgreSQL, Firebase

Education

B.E. Computer Engineering, SIESGST Nerul | Aug 2022 – May 2026 | CGPA: 7.5 — Aug 2022 - Present
Relevant Coursework: Data Structures and Algorithms, Operating Systems, DBMS, CN, OOP, Software Engineering — CGPA:7.5

Experience

Andheri West, Mumbai — Onsite | Nov 2024 - July 2025
Enpointe IO | Full stack developer intern

- Developed and maintained full-stack systems using **Vue.js**, **Express**, **Prisma**, and **PostgreSQL**, powering a platform with **10k+ DAU**.
- **Engineered a scalable backend** for a movie management platform with **JWT authentication**, **PDF/Excel reports**, and **real-time alerts (SSE)**, improving **contract efficiency by 20%** through workflow and module optimization.
- **Resolved 30% of project bugs** and **Enhanced PDF/Excel generation performance by 5–10%**, enhancing system efficiency.
- Improved **PostgreSQL database performance** using **Prisma ORM**, reducing query latency by **15%**.
- Migrated backend from **Node.js 14 → 18**, and collaborated in a **4-member Agile team** using **Git** and weekly sprints for timely delivery

Projects

ASHA Sakhi – AI-Powered Health Assistance Platform – Live | Github

- Designed a multilingual, voice-enabled healthcare web app for ASHA workers, reducing **data entry and consultation time by 40–50%** through automation of patient registration and reporting workflows.
- Built AI-driven modules for **symptom analysis (Decision Tree, 92% accuracy)** and **voice-based health consultancy** using **Whisper** for **speech-to-text** and **gTTS/ElevenLabs** for text-to-speech conversion.
- Simplified **70% of ASHA workers' daily tasks**, including patient onboarding, form filling etc, improving rural healthcare accessibility.
- Integrated **Google Maps API** and created an **AI-powered lifestyle and symptom recommender** using patient data to dynamically locate nearby ASHA centers and generate personalized diet and preventive health tips, enhancing service reach by **35%+** for **1000+ potential users**.

Red Apple Cars – Car Management System (CMS) & User Website | Github

- Led development and architected a production-grade CMS and car management platform, automating workflows for **70% of company staff** through modular, reusable, and upgraded code.
- **Integrated Redis caching and Server-Sent Events (SSE)** for real-time notifications, improving system response time by **45%**, boosting daily active user capacity by **60%**, and enabling **instant status updates** with minimal latency.
- Implemented bulk car CRUD operations with **accelerated Excel report** and **PDF invoice generation**, integrated into **CI/CD pipelines** improving **data processing efficiency by 30%**, **query performance by 40%**, and 100% automated deployments.
- Currently integrating **Elasticsearch for advanced search (targeting 50% faster query retrieval)** and **exploring AWS SQS** for asynchronous queue processing to further enhance scalability and system resilience.
- Mentored and guided **2 interns**, improving backend code quality by **25%** through structured reviews and scalable coding standards.

StreetConnect – Empowering Street Food Ecosystems Live | Github

- Built and deployed a **real-time marketplace platform** for street food supply chain using Next.js, Express.js and MongoDB, featuring role-based modules that enhanced **trust** and **transparency by 60%** among vendors and suppliers through verified profiles.
- Optimized database queries by **20%** through efficient **indexing** and **API design**, improving application response times and user experience.
- Reduced manual operational work by 50% by automating inventory tracking, order management, and payment reconciliation processes.
- Integrated **Razorpay payment gateway** for secure digital transactions and **led a 4-member team** through full development lifecycle on Vercel.

Competitive Programming & Problem-Solving

• Solved 400+ DSA problems across LeetCode, GFG, and CodeChef. • **2 star** Coder on CodeChef. • **Top 25** on GFG within college

Achievements & Certifications

• **1st prize** in Ideation 2025 • Rank of 2179 in **ICPC regionals** qualification round

• **7th** in CODECRAFTERS2.0 Hackathon • **Top 15 Teams** in the Recursion6.0 Hackathon • Participated Err404_6.0 Hackathon