

NITIN GOEL

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SUMMARY

Fullstack Software Engineer (1.5+ years) building **React/TypeScript UIs** and **backend services in Python, Java, and Node.js** for high-concurrency financial systems, with strong fundamentals in **distributed systems, databases, operating systems, and system design**. Experienced in diagnosing performance bottlenecks with monitoring and observability tooling (Grafana, Kibana, Elastic) and shipping **AI-integrated products** to live users. Certified Ethical Hacker who embeds secure coding into CI/CD pipelines. Seeking a Fullstack Developer role building monitoring, automation, and AI/ML-driven software.

SKILLS

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

UI Development: React, Next.js, TypeScript, Tailwind CSS, Recharts (data visualization), Responsive/PWA design

Backend & Distributed Systems: REST API Design, Node.js, Express, Microservices, gRPC, RabbitMQ, OOP, System Design

Databases: MySQL, MongoDB, Supabase (schema design, indexing, query tuning)

Monitoring, Performance & DevOps: Docker, Jenkins, CI/CD, Git/GitHub, Grafana, Kibana, Elastic, Taurus, LoadRunner, Linux

AI Integration: Google Gemini API, Mistral API, prompt-driven natural-language features

Security: Certified Ethical Hacker (CEH), BurpSuite, CheckMarx, BlackDuck, Anchore, Secure SDLC

EXPERIENCE

Software Engineer

Feb 2025 – Present

ACI Worldwide | Bengaluru, Karnataka

- Engineered high-performance microservices for core financial-services products, diagnosing architectural bottlenecks with **Taurus**, **Grafana**, **Kibana**, and **RabbitMQ** to cut **transaction latency** in high-concurrency workflows.
- Built from scratch an automated **heap dump capture sidecar** for production **Kubernetes pods** that were restarting before diagnostics could be collected, capturing and extracting the dump before each restart to enable root-cause analysis.
- Contributing performance-bottleneck and security-vulnerability analysis to an in-progress **legacy monolith** → **microservices** modernization using **gRPC**, with the underlying database migrating to **AWS**, feeding findings directly into the migration roadmap.
- Built and maintained modular backend features and **RESTful APIs** that sustain **99.9% system reliability** in production.
- Embedded secure coding practices (SSDLC) as a Certified Ethical Hacker, integrating CheckMarx, BlackDuck, and BurpSuite scanning into the **CI/CD pipeline** to catch vulnerabilities pre-production.

Full Stack Developer (Freelance)

Dec 2024 – Jan 2025

MyAlthumbnail.com

- Architected a responsive **Next.js UI** with reusable components for an **AI-driven** asset-generation platform.
- Built scalable **REST APIs** with Express, integrated with **Supabase** for real-time data persistence and AI asset generation.
- Reduced client-side render time and API response latency by streamlining data flows end-to-end.

Software Developer Engineer Intern

Sep 2023 – Dec 2024

NFThing | Bengaluru, India

- Contributed full-stack to Deflix, a movie-review platform, delivering optimized frontend and backend features for a scalable user experience.
- Built reusable **React.js** components and application-wide state management, improving maintainability and responsiveness.
- Modeled and optimized **MongoDB** schemas with indexing and query tuning for high-performance data retrieval.

PROJECTS

- CalMate Buddy:** Built and deployed a full-stack, installable **PWA** calorie tracker (**React 19, TypeScript, Vite, Tailwind**) with serverless API routes on Vercel. Integrated **Google Gemini and Mistral APIs** for natural-language, prompt-based food logging alongside manual entry, with **Recharts**-based intake visualizations.
Live: calmatebuddy.vercel.app Code: github.com/nitingoel27/calorie-tracker
- StreetSmart:** Built a mobile-first platform for street vendors: a vendor **analytics dashboard**, geolocation-based real-time discovery, and scalable backend APIs.

EDUCATION

Bachelor of Engineering, Information Science Engineering

2021 – 2025

Ramaiah Institute of Technology | Bengaluru, Karnataka | CGPA: 9.2

Class XII

2021

Salwan Public School | Gurugram, Haryana | 96.5%

ACHIEVEMENTS & AWARDS

- Hackathon Winner:** 1st place, Departmental Hackathon, ISE Department, MSRIT.
- Gold Medalist:** French Olympiad, organized by the Embassy of France.
- Academic Excellence:** Awarded Rs 76,500 for top position in Class X.