

ROHIT MATHUR

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PROFESSIONAL SUMMARY

Full-Stack Developer and Computer Science student with hands-on experience building scalable web applications, REST APIs, event-driven microservices, authentication systems, and AI-powered products. Proficient in React, Next.js, Node.js, Express, TypeScript, MongoDB, PostgreSQL, Redis, Kafka, Docker, and cloud deployment. Built a multi-agent AI assistant, automated web vulnerability scanner, and Kafka-based e-commerce platform. Seeking an SDE internship or entry-level software engineering role.

EDUCATION

KIET Group of Institutions

Bachelor of Technology in Computer Science | CGPA: 7.5/10

Ghaziabad, Uttar Pradesh

2023 – Present

EXPERIENCE

Web Development Intern

InAmigos Foundation

Remote

May 2026 – May 2026

- Analyzed websites to identify UI/UX, functionality, and performance issues across multiple client projects.
- Designed and implemented responsive interfaces and new features using React and Node.js.
- Resolved 5+ frontend and backend bugs, improving application stability and overall user experience.

PROJECTS

Covo AI Assistant | [GitHub](#)

Node.js, Express, React, LangGraph, MongoDB, Redis

Sep 2026 – Present

- Architected a five-service Node.js and Express microservices backend (gateway, authentication, chat, agent, and billing) with Redis-backed sessions and request proxying.
- Implemented LangGraph multi-agent orchestration with an LLM router that dispatches requests across six specialized agents for chat, search, coding, image, PDF, and PPT generation.
- Integrated Groq, Gemini, and OpenRouter with agent-specific model routing, plus Tavily web-search grounding for real-time information retrieval.
- Reduced redundant conversation-context database lookups using Redis caching (24-hour TTL, 20-message limit); built React frontend with Redux Toolkit, Markdown rendering, syntax highlighting, and artifact viewing.

VulnScan – Automated Web Vulnerability Scanner | [GitHub](#)

MongoDB, Express.js, React, Node.js, JWT, OAuth 2.0, Cheerio

Jun 2026 – Aug 2026

- Built a MERN-based automated web vulnerability scanner detecting SQL injection, XSS, LFI/RFI, SSRF, and command injection via response-diffing and error-pattern analysis.
- Automated attack-surface discovery by parsing pages with Cheerio to extract forms and inputs, then testing them with 50+ categorized fuzzing payloads.
- Implemented JWT and Google OAuth 2.0 authentication, API rate limiting, Helmet security headers, CWE-mapped reporting, severity-weighted risk scoring, remediation guidance, and JSON/CSV export.

Full-Stack E-Commerce Application | [Live](#) | [GitHub](#)

Next.js, Node.js, Microservices, Kafka, Docker, Stripe

Dec 2025 – Feb 2026

- Designed five event-driven microservices communicating through five Kafka topics to decouple order, payment, and email workflows.
- Configured Docker Compose with isolated service networking and optimized MongoDB schemas to support independent data ownership and horizontal scaling.
- Integrated Stripe webhooks to trigger reliable downstream order-confirmation and email-notification events.

TECHNICAL SKILLS

Programming Languages: C++, JavaScript, Python, TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux Toolkit, Zustand, Tailwind CSS

Backend: Node.js, Express.js, REST API Design, API Integration, Microservices, Event-Driven Architecture

Databases & Tools: MongoDB, PostgreSQL, Redis, Prisma, Docker, Linux, Kafka, Git, GitHub, Postman, AWS

Security: JWT, OAuth 2.0, Google OAuth, RBAC, Helmet, Rate Limiting, OWASP, CWE

Coursework: Data Structures and Algorithms, OOP, Computer Networks, DBMS, Operating Systems

CERTIFICATIONS

Cisco Certified Network Associate (CCNA) – Cisco

Apr 2026

AWS Certified Cloud Practitioner – Amazon Web Services

Dec 2025

Database Programming with SQL – Oracle Academy

Nov 2024

ACHIEVEMENTS AND LEADERSHIP

- Solved 500+ Data Structures and Algorithms problems across LeetCode, Codeforces, and GeeksforGeeks.
- Led a four-person development team at Smart India Hackathon and Innotech 2K25 by coordinating task breakdown, implementation, and feature delivery.