

Rohit Mathur

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🐙 github.com/Rohit0265 🔗 [Portfolio/Rohit](#) 📍 Ghaziabad, UP, India

PROFESSIONAL SUMMARY

I am a Computer Science student specialising in full-stack web development and web application security. Proficient in React, Next.js, Node.js, and modern JavaScript frameworks with hands-on experience building production-grade applications including a real-time video conferencing platform and a web vulnerability scanner with automated SQLi/XSS detection following OWASP Top 10 guidelines. AWS Certified Cloud Practitioner with practical knowledge of REST API design, CI/CD workflows, Docker, and cloud deployment. Seeking roles in web development or application security where I can apply full-stack and security engineering skills.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, C/C++

Frontend: React.js, Next.js, Tailwind CSS, HTML5, CSS3, Responsive Design, Cross-browser Compatibility

Backend: Node.js, Express.js, FastAPI, REST API Design, JWT Authentication

Databases: MongoDB, PostgreSQL, SQL (Oracle Certified)

Security: OWASP Top 10, SQLi/XSS Detection, Web Fuzzing, Vulnerability Assessment, Burp Suite

DevOps & Cloud: Docker, Git, GitHub Actions (CI/CD), Google Cloud Platform, AWS (Certified)

Methodologies: Agile, MVC Architecture, Role-Based Access Control (RBAC), API Integration

PROJECTS

VulnsWeb - Full-Stack Web Vulnerability Scanner

02/2026 – Present

React, Node.js, Tailwind CSS, MongoDB, BullMQ | github.com/Rohit0265/vulnsweb

- Engineered a full-stack web security tool to detect hidden files, directories, and vulnerabilities in web applications; reduced manual audit time by an estimated 60%.
- Built an automated fuzzing engine that injects 500+ payloads to identify potential security weaknesses, aligned with OWASP Top 10 vulnerability categories.
- Integrated detection modules for SQL Injection (SQLi) and Cross-Site Scripting (XSS), covering the two most critical OWASP web attack vectors.
- Designed a REST API-driven results dashboard to visualise scan findings, highlight severity levels, and export vulnerability reports.
- Deployed using Docker containers; integrated BullMQ for asynchronous job queue management supporting concurrent scan sessions.

Yoom - Real-Time Video Conferencing Platform

01/2026 – 02/2026

Next.js, Stream API, Tailwind CSS, JWT Auth

Live: yoom.vercel.app | github.com/Rohit0265/meeting

- Built a real-time video conferencing application supporting 50+ concurrent users with low-latency peer-to-peer communication via Stream API.
- Implemented secure JWT-based authentication and role-based access control (RBAC) to manage host and participant permissions.
- Developed meeting creation, shareable join-link generation, and participant management features with full RESTful API integration.
- Delivered fully responsive UI using Tailwind CSS, ensuring seamless experience across desktop and mobile with cross-browser compatibility.

Edemy - Learning Management System (LMS)

10/2025 – 12/2025

React, Node.js, MongoDB, Stripe, Clerk, Tailwind CSS

Live: edemy.vercel.app | github.com/Rohit0265/Edemy

- Developed a full-stack LMS serving 3 roles (admin, instructor, student) with course creation, enrolment, and progress-tracking features.
- Engineered a secure role-based authentication system using Clerk, following industry best practices for session management and access control.
- Integrated Stripe payment gateway enabling premium course purchases; handled webhooks for real-time enrolment confirmation.
- Built interactive instructor dashboards with course analytics, student management, and content management via a REST API backend.
- Achieved 100% responsive design with Tailwind CSS across desktop and mobile; deployed on Vercel with CI/ CD pipeline via GitHub Actions.

CERTIFICATIONS & ACHIEVEMENTS

AWS Certified Cloud Practitioner, Amazon Web Services

01/12/2025

- Credential covers cloud architecture, security, and deployment fundamentals.

Database Programming with SQL, Oracle Academy

01/12/2024

- Covers relational database design, SQL queries, and data modelling.

Web Development Fundamentals

- Actively building open-source projects; VulnsWeb recognised as a practical contribution to web application security tooling.

EDUCATION

Bachelor of Technology - Computer Science,

09/2023 – 06/2027

KIET Group of Institutions, Muradnagar, UP

Senior Secondary Education (Class XII),

Ingraham Institue, Ghaziabad, UP

2022 – 2023

Secondary Education (Class X),

L.B.S.S School, Ghaziabad, UP

2020 – 2021