

AYUSHMAN VISHWAKARMA

Software Engineer | Full Stack Developer | MERN Stack | React.js | Next.js | Node.js | TypeScript
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PROFESSIONAL SUMMARY

Full Stack Software Engineer specializing in the MERN stack, with hands-on experience building scalable, high-performance web applications using React.js, Next.js, Node.js, Express.js, MongoDB, and TypeScript. Proficient in REST API development, authentication and authorization, performance optimization, and responsive UI engineering. Adept at writing clean, maintainable, and reusable code to solve real-world problems and deliver high-quality user experiences across the full software development lifecycle.

EXPERIENCE

Web Development Intern — St. Andrews Institute of Technology & Management Present

- Developing the official SAITM institutional website, leading UI modernization, performance enhancements, and new features.
- Engineering scalable, responsive frontend components while improving user experience with modern web technologies.
- Optimizing website performance, SEO, and accessibility, ensuring consistent cross-browser compatibility.

Web Development Intern — Entrogroup 2025

- Built responsive, high-performance web applications using React.js and JavaScript, achieving Lighthouse scores of 95+.
- Developed reusable, pixel-perfect UI components in collaboration with the design team, reducing UI-related bug reports by 40%.

Frontend Development Intern — GAO Tek Inc. 2025

- Developed responsive, user-friendly web interfaces using modern frontend tools, improving overall UI consistency.
- Collaborated with a distributed, international team on business-critical projects using professional Git branching workflows.

PROJECTS

SeatSync — AI-Based Exam Seat Allocation System [Live?](#)

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT

- Engineered a full-stack platform that automates exam seat allocation, classroom arrangements and seating arrangements.
- Implemented custom seating-allocation algorithms, PDF-based bulk student import, and role-based admin and faculty dashboards.
- Designed a scalable database architecture secured with JWT authentication and role-based access control.
- Deployed the system for 500+ students in a live college environment, reducing manual effort and improving allocation accuracy.

Shield AI — AI Security & Threat Detection Platform [Live?](#)

Tech Stack: React.js, Node.js, Express.js, REST APIs

- Developed an AI-powered cybersecurity platform that detects vulnerabilities and analyzes security risks in real time.
- Integrated intelligent threat analysis and automated insights to efficiently identify and mitigate potential vulnerabilities.
- Designed a modern, responsive interface optimized for performance, usability, and real-time security reporting.
- Awarded 1st Prize at Innoviz for innovation, technical excellence, and real-world problem-solving.

CodeGuard-AI — AI-Powered VS Code Extension [Live?](#)

Tech Stack: TypeScript, Node.js, VS Code Extension API

- Built a VS Code extension delivering AI-driven code reviews that detect security vulnerabilities in real time.
- Implemented automated code analysis with actionable suggestions to improve code quality and security.
- Designed a lightweight, developer-friendly extension featuring seamless VS Code integration.
- Published the extension alongside a dedicated website, enabling AI-assisted secure coding workflows.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, SQL, HTML5, CSS3

Frontend: React.js, Next.js, Redux, TanStack Query, Tailwind CSS, Vite

Backend: Node.js, Express.js, Django, REST APIs, JWT, Authentication & Authorization

Databases: MongoDB, PostgreSQL, MySQL, SQLite, Firebase, Supabase

Tools & DevOps: Git, GitHub, Docker, Postman

EDUCATION

Bachelor of Computer Applications — St. Andrews Institute of Technology & Management, Gurugram Aug 2024 – Present

Senior Secondary (XII) & Secondary (X) — R.M.S. Inter College, Bikapur, Ayodhya, U.P. 2021 – 2023

ACHIEVEMENTS

- 1st Prize Winner — Innoviz College Innovation Competition for developing Shield AI.
- Secured 6th place among 300+ shortlisted teams in a national-level hackathon.
- Completed 3 web development internships, delivering production-ready web applications.
- Participated in 5+ hackathons and earned 7+ academic and technical certificates.

CERTIFICATIONS

- MERN Stack Development & Data Analytics.
- Frontend & Full Stack Web Development.
- Data Entry & Office Assistant — NIELIT.