

Yash Tiwari

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B.Tech
Computer Science Engineering
Jabalpur Engineering College

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GitHub
GeeksforGeeks

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech.	Jabalpur Engineering College, Jabalpur	7.72 (Current)	2022-Present
Senior Secondary	CBSE Board	85.0%	2022
Secondary	CBSE Board	87.4	2020

PROJECTS

- Development of an online examination platform QuizJEC for Jabalpur Engineering College** Jan. 2025 - Present
Prof. Madhuri Gokhale Demonstration
 - Implemented C++-based Anti-cheating measures, blocking tab switching, keyboard shortcuts, and unauthorized closures to ensure a fair exam environment.
 - Designed a dual-endpoint system: teachers can create, publish, and manage exams, while students can log in and take tests.
 - Built a modern, responsive UI with React.js and optimized the Node.js + Express.js backend, ensuring a seamless user experience and efficient exam processing.
 - Secured authentication and authorization using JWT and bcrypt, ensuring data protection and session integrity.
 - Used Zod for precise input validation, improving data accuracy and system reliability.
 - Integrated ElectronJS for a Cross-Platform desktop experience, enhancing security and performance.
 - Technologies Used: MongoDB, Express.js, Node.js, React.js, TailwindCSS, ElectronJS, C++, JWT, bcrypt, Zod
- Prescripto** Feb. 2025
Doctor Appointment Platform Github
 - Developed a full-stack web app with secure auth (JWT, bcrypt) and integrated payments (Stripe, Razorpay) using MERN stack.
 - Designed a responsive UI with React.js and TailwindCSS; optimized APIs to reduce booking latency by 30
 - Scaled data operations using MongoDB for high-performance appointment handling.
- TravelCare – AI-Powered Healthcare Platform for Smart Travelers** Mar 2025
Hackathon, JEC Jabalpur Github
 - Developed a full-stack health-tech solution that bridges travel and emergency medical services, using React.js, TailwindCSS, and rich GSAP animations for a seamless user experience.
 - Integrated GeoPointer API to detect real-time location and dynamically fetch nearby hospitals via a scalable backend powered by Node.js, Express.js, and MongoDB (optimized from Prescripto architecture).
 - Implemented a mission-critical SOS emergency trigger, alerting relevant medical support based on geo-location, ensuring safety during travel emergencies.
 - Embedded a custom AI-powered chatbot for instant health guidance, enhancing 24/7 accessibility and user engagement.
 - Tech Stack: React.js, TailwindCSS, GSAP, Node.js, Express.js, MongoDB, JWT, GeoPointer API, AI Chatbot, REST APIs

TECHNICAL SKILLS

- Skills:** C, Java, HTML, CSS, XML, JavaScript, Node.js, Express.js, Ejs, MongoDB, NoSQL, SQL, PostgreSQL, Prisma ORM, React.js, Recoil, Next.js
- Tools:** Eclipse, Git, Github, VS Code, Android Studio, Postman,

KEY COURSES TAKEN

- Data Structures and Algorithms:** GeeksForGeeks
- Web Development Bootcamp:** by Dr. Angela Yu.
- Core Courses:** Operating System, Object Oriented Programming (OOPs), Database Management Systems (DBMS), Computer Networks(CN)

POSITIONS OF RESPONSIBILITY

- Junior Under Officer,** Earned the NCC ‘C’ Certificate, showcasing leadership, management, and communication skills.

ACHIEVEMENTS

- Hackathon,** Finalist in the college-level Smart India Hackathon 2024 for *CareConnect*, a healthcare-oriented website. 2024