Mayank R Rathod

MERN Stack Developer

Portfolio: https://mayank-portfolio-new.vercel.app/

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LinkedIn || Github

Experience

Freelance Full-Stack Developer   **Jun 2025 – Present**

- Delivered a full-stack e-commerce platform (MERN stack) for agricultural products, enabling farmers to shop online with a seamless experience.
- Improved data management efficiency by designing structured APIs with Node.js/Express.js and MongoDB Atlas, reducing redundant queries.
- Enhanced user experience by building a responsive, multi-language UI (English, Hindi, Marathi) with Next.js & Tailwind CSS.
- Developed a secure authentication system (JWT, bcrypt) and role-based admin dashboard with Cloudinary-powered image uploads.
- Achieved a scalable, production-ready architecture, ensuring smooth shopping, checkout, and order history workflows.

Web Developer Intern – Educron, Nagpur (Remote)   **Aug 2024 – Nov 2024**

- Improved an admin panel to manage internship programs, including dashboards and CRUD functionality.
- Built responsive web pages using HTML, CSS, JavaScript, PHP, and Bootstrap, ensuring better UI/UX.
- Integrated MySQL database for storing and managing program-related data.
- Worked with XAMPP for local development, gaining exposure to testing and deployment workflows.

Education

Bachelor of Science in Computer Science , Brijlal Biyani Science College, Amravati.

Sant Gadge Baba Amravati University.

Aug 2022 – May 2025

Projects

BSC Agripreneur – E-commerce Platform (MERN Stack)

Live link

- Designed and developed a full-stack e-commerce platform tailored for the agricultural sector, enabling farmers and gardeners to purchase seeds, fertilizers, and pesticides online.
- Built a multi-language, responsive UI using Next.js and Tailwind CSS, with seamless switching between English, Hindi, and Marathi.
- Implemented secure user authentication & authorization with JWT and bcrypt, including role-based access for admin users.
- Developed a protected admin dashboard for product management, with Cloudinary integration for real image uploads.
- Engineered a robust backend API with Node.js, Express.js, and MongoDB Atlas, ensuring scalability, secure transactions, and smooth data flow.

Backend Media Platform Simulation (Node.js , Express.js)

Github link

- Built a backend service simulating a media platform with secure user authentication and protected routes.
- Implemented temporary media streaming links and analytics (total & unique views, views/day) for media consumption.
- Integrated Redis caching and rate limiting to enhance performance and prevent misuse.
- Containerized the application using Docker and wrote automated tests using Jest & Supertest to ensure reliability.

Technical Skills

- Languages: Java, JavaScript, TypeScript, Python, SQL, HTML5, CSS3.
- Frameworks & Libraries: Node.js, Express.js, Next.js, FastAPI, TailwindCSS.

- Databases: PostgreSQL, MySQL, MongoDB, Redis.
- Tools: IntelliJ, VS Code, Git, BeautifulSoup.
- Soft Skills: Problem Solving, Communication , Teamwork, Adaptability.

Certification
- HTML, CSS, and JavaScript – Springboard
- UI/UX Design Certification
- Java Certification
- TCS iON Carrer Edge – Young Professional
- Oracle Database for Developers Certification
- Full Stack Java Development Certification – Simplilearn

Languages
- Hindi , Marathi , English

Extra curricular activities
- State level Carrom Player