

SHIVAM SINGH

Mirzapur, Uttar Pradesh

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Education

Rajkiya Engineering College Kannauj

October 2020 - June 2024

Bachelor of Technology in Electronics Engineering (CGPA: 7.56/10)

Uttar Pradesh, India

Technical Skills

Languages: JavaScript, TypeScript, C++, HTML, CSS, SQL

Technologies/Frameworks/Libraries: React.js, Next.js, Node.js, Express.js, Redux, MongoDB, TailwindCSS

Interest: Data Structures and Algorithms, Object Oriented Programming

Work Experience

Qutrix Solutions Pvt. Ltd.

September 2024 – March 2025

Software Developer Trainee

Bangalore

- Collaborated on the development of an **FSM (Field Service Management) SaaS** platform using **React.js**, **JavaScript**, **HTML**, **CSS**, and **SASS**, ensuring responsive design and seamless user experience.
- Delivered **80+ functional board items** over a 6-month duration, including key features, interactive components, multiple modules, and UI enhancements to improve platform usability and functionality.
- Optimized performance using **Google Lighthouse**, achieving a **24%** reduction in average page load time and significantly improving **SEO** and **accessibility** scores.
- Conducted **SonarQube** static code analysis, identifying and resolving **500+** code quality issues, leading to improved maintainability, reduced technical debt, and enhanced application security.

Projects

SnapShort | *Next.js, TailwindCSS, ShadCN, Chart.js, MongoDB* | Deployed Link | Github

April 2025

- Engineered a **scalable URL shortener web application** with responsive UI, QR code generation, and one-click copy functionality - designed to support **1,000+ concurrent users** with **99.9% uptime**.
- Designed and implemented an interactive **analytics dashboard** to visualize traffic by browser, OS, and device (Chart.js pie charts) and time-based trends (bar charts), **enhancing data accessibility by 40%**.
- Secured the application with **JWT-based authentication** and protected routes, **reducing unauthorized access by 95%** and strengthening session management.

ResumeCraft | *Express.js, React.js, MongoDB, TailwindCSS* | Deployed Link | Github

May 2024

- Developed a **full-stack resume builder** website using **React.js**, **MongoDB**, **Express.js**, **Node.js**, and **Redux**, allowing users to input their details in a form to generate resumes with ATS compatibility scores up to **86%**.
- Implemented **JWT** for secure authorization and **encrypted passwords** using bcrypt, successfully managing over **1,000** user accounts.
- Optimized state management with **Redux**, enhancing application performance and **reducing load times by 28%**.

VidNexa | *Node.js, React.js, MongoDB, Express.js, Redux* | Deployed Link | Github

February 2024

- Developed a **video-sharing platform** using **React.js**, **Node.js**, and **Express.js**, enabling users to upload videos and subscribe to channels.
- Implemented features for **liking and disliking** content, ensuring a seamless and interactive user experience.
- Implemented **Firebase** to optimize video storage, optimized thumbnail, resulting in a **32%** reduction in loading time and enhancing user engagement.
- Engineered a state management system using **Redux**, resulting in a **20% reduction** in UI errors and enhanced application stability.

Achievements

- Earned **5-star** rating in Problem Solving and C++ on HackerRank.
- Solved **300+** coding problems across platforms such as LeetCode, HackerRank, and Codechef.
- Certified in Problem Solving, CSS, React.js, and JavaScript through HackerRank skill assessments. (Link)
- Demonstrated consistent performance in algorithmic problem-solving and full-stack development challenges.

Profile Links

- Github
- Leetcode