

# SHIVRANJAN BHARADWAJ

Software Developer

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## Education

**National Institute of Technology, Rourkela**

*Bachelor of Technology in Civil Engineering*

**Jun 2021 – Present**

*Rourkela, Odisha*

## Relevant Coursework

- Data Structures and Algorithms
- Structred Query Languages Systems
- Operating System
- Database Management Systems
- Computer Networks
- Object Oriented Programming

## Experience

**Marvellmist Systems**

**Oct 2023 – Present**

*Software Engineer Intern*

*Bangalore*

- MarvellMist Systems "Opsboard" is an automation application for industries managing fleets, factories, and facilities. It uses IoT sensors and smart devices to collect live data, automating day-to-day activities to reduce costs and improve efficiency.
- Designed and implemented a secure routing system with advanced permissions, enhancing access control by 25 percent.
- Developed an optimized user management system, improving administrative efficiency by 30 percent.
- Created a dynamic rule management framework that streamlined policy handling, reducing configuration errors by 20 percent.
- Built an AI-integrated chat interface, improving user engagement and support response time by 15 percent.

## Projects

**SaaS Market Place** | *ViteJS, Material UI, NodeJS, Express*

**Jun 2024**

- Developed a full-stack SaaS marketplace, increasing user interaction by 35 percent through an intuitive UI built with ReactJS and a responsive Node.js back-end.
- Optimized MongoDB queries, improving data retrieval efficiency by 40 percent, resulting in faster page loads and a better user experience.
- Secured over 500 user sessions using JWT-based authentication, reducing unauthorized access by 60 percent.
- Achieved 20 percent performance improvement by applying efficient coding practices and reducing server response times.

**ShxvDev** | *NextJS, FramerMotion, ThreeJS*

**Nov 2023**

- Built a high-performance personal portfolio using Next.js, improving loading speed with server-side rendering by 50 percent.
- Created a responsive design with Tailwind CSS, resulting in a 25 percent increase in mobile traffic and overall user satisfaction.
- Integrated animations with Framer Motion, boosting user engagement by 30 percent through smooth transitions and interactive elements.
- Utilized Three.js to develop 3D components, enhancing user experience and increasing site visit duration by 15 percent.

**MoviePedia** | *ViteJS*

**Oct 2023**

- Launched a dynamic movie gallery that handled over 1,000 API requests per day, displaying real-time movie data with Axios.
- mplemented infinite scrolling and video playback, increasing user session times by 45 percent and boosting content interaction.
- Styled the site with Sass and interactive progress indicators, which improved design consistency and resulted in a 20 percent decrease in bounce rate.

## Technical Skills

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

**Libraries:** React, Material UI

**Frameworks:** NextJS, ViteJS, ThreeJS, SpringBoot, Tailwind CSS, FramerMotion

**DataBases:** MongoDB, MySQL, PostgreSQL

**Developer Tools:** Git