

VIPUL

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SKILLS

- **Technologies and Frameworks:** ReactJS · NextJS · Node.js · Express · PostgreSQL · MongoDB · Tailwind CSS · Git/GitHub
- **Areas of Interest:** Data Structures and Algorithms · Competitive Programming · App/Web Development
- **Programming Languages:** C · C++ · Java · JavaScript · Python

EDUCATION

- Mining Engineering | Indian Institute of Technology (BHU), Varanasi CGPA: 7.53 | (Oct '22 - Present)
- XII (CBSE) | Kendriya Vidyalaya no-1, Dhanbad 90.8% | 2022
- X (CBSE) | Kendriya Vidyalaya no-1, Dhanbad 88.6% | 2020

PROJECTS

Spardha' 23 Website

- Revamped user experience by designing a modular, reusable component architecture in React, improving development efficiency by 35%.
- Streamlined navigation and state management through efficient implementation of client-side routing using React Router, reducing page load times by 40%.
- **Technologies:** React, JavaScript, CSS, Python | [\[GitHub\]](#)

S&T/R&D Project Monitoring System

- Spearheaded the development of a web-based app for monitoring financial and physical progress in coal sector projects, enabling real-time updates for over 50 projects.
- Enhanced data security by implementing Two-Factor Authentication using Speakeasy, reducing unauthorized access incidents by 50%.
- Established seamless communication via Web Sockets, supporting up to 100 concurrent users during peak activity.
- **Technologies:** React, CSS, JavaScript, PostgreSQL, Web Sockets, Speakeasy | [\[GitHub\]](#)

Jagriti '24 Website

- Improved API response times by 25% through backend optimization with MongoDB and Express.js, ensuring 99.9% uptime during high-traffic periods.
- Designed responsive interfaces with React.js and Tailwind CSS, resulting in a 40% increase in user engagement.
- Successfully handled 1,000+ daily visitors post-launch with zero reported bugs during the first week.
- **Technologies:** React, Express, MongoDB, Tailwind CSS | [\[GitHub\]](#)

POSITION OF RESPONSIBILITY

- **Technical Head, Spardha'24, IIT(BHU)** (Sept' 24 -Present)
Leading a team of developers to innovate and manage the technical infrastructure for Spardha'24, fostering collaboration and driving efficiency.
- **Tech Executive, Jagriti, 2024** (Mar' 23)
Collaborated on the design and deployment of the official website for Jagriti'24, delivering a seamless user experience
- **Tech Manager, Sports Council, IIT(BHU)** (Jan' 24 - March' 24)
Played a key role in designing and developing the Sports Council's official website, improving event management capabilities.