

Bhargaw Kumar Singh

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Summary

Computer Science student with a strong foundation in full-stack development and cloud computing. Skilled in building secure, scalable applications using Spring Boot, React.js, and Docker. Passionate about problem-solving, performance optimization, and collaborative development.

Education

Symbiosis Institute Of Technology, B.Tech in Computer Science Sept 2022 – (Expected 2026)

- GPA: 7.1/10.0
- **Relevant Coursework:** Data Structures Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Cloud Computing, Software Engineering

Projects

QuickLinker (Full-Stack URL Shortening Application) github.com/Bhargaw21/Quicklinker

- Designed and deployed a high-performance URL shortener, handling thousands of requests efficiently with analytics tracking click counts, user-specific statistics, and daily trends.
- Implemented role-based authentication using Spring Security with JWT, ensuring secure and controlled access.
- Engineered a scalable microservices architecture, integrating React.js for frontend and Spring Boot backend with Thymeleaf for dynamic content.
- Achieved seamless cloud deployment using Docker, ensuring cross-environment consistency.
- Tools Used: Spring Boot , React.js , Docker , Spring Security with JWT , MySQL (local development), PostgreSQL (cloud deployment)

Smart Contact Manager

github.com/Bhargaw21/SCM

- Developed a contact management app, improving efficiency for 100+ users with OAuth 2.0 authentication.
- Optimized CRUD operations with Hibernate ORM, reducing database query time by 30 percent.
- Implemented OAuth 2.0 authentication (Google, GitHub) for seamless single sign-on (SSO), enhancing security and user experience.
- Designed a responsive, user-friendly UI with Thymeleaf, enabling easy profile customization and efficient contact handling.
- Tools Used: IntelliJ IDEA, GitHub, Spring Boot, Hibernate, Thymeleaf, MySQL, OAuth 2.0, Postman.

Technologies

Languages: Java, Python, JavaScript, HTML/CSS

Frameworks Libraries: Spring Boot, React.js, Spring, Hibernate, Servlet

DevOps Tools: Docker, Git, GitHub, Postman, VS Code, IntelliJ IDEA

Databases: MySQL, MongoDB

Soft Skills

Soft Skills: Problem-Solving, Teamwork, Adaptability, Communication

Interests: Web Development, DevOps, Cloud Computing