

# Bhargaw Kumar Singh

Pune, India | [Bhargawkumarsingh@gmail.com](mailto:Bhargawkumarsingh@gmail.com) | 6207332833 | [BhargawKumarSingh.com](http://BhargawKumarSingh.com)  
[linkedin.com/Bhargaw-kumar-Singh](https://linkedin.com/Bhargaw-kumar-Singh) | [github.com/Bhargaw21](https://github.com/Bhargaw21)

## Summary

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Computer Science student with hands-on experience in full-stack development, RESTful API design, and cloud technologies. Skilled in building secure, scalable applications using Spring Boot, React.js, and Docker. Passionate about clean architecture and performance-driven development.

## Education

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**Symbiosis Institute of Technology** Sept 2022 – Expected 2026  
B.Tech in Computer Science **CGPA: 6.9**  
**Class 12 (CBSE):** 88.6% **Year: 2022**  
**Relevant Coursework:** Data Structures, Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Cloud Computing, Computer Networks

## Projects

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**QuickLinker (Full-Stack URL Shortening Application)** [github.com/Bhargaw21/Quicklinker](https://github.com/Bhargaw21/Quicklinker)

- Developed and deployed a high-performance URL shortener with asynchronous request handling and caching for low-latency responses.
- Implemented secure authentication and authorization using Spring Security, JWT, and role-based access control.
- Optimized database queries with indexing and connection pooling, improving read/write efficiency under high traffic.
- Containerized and orchestrated deployment with Docker and Docker Compose for seamless cloud integration and scalability.

### Smart Contact Manager

[github.com/Bhargaw21/SCM](https://github.com/Bhargaw21/SCM)

- Developed a contact management app with OAuth 2.0 authentication (Google, GitHub), enabling secure single sign-on (SSO) for 100+ users and enhancing user experience.
- Optimized CRUD operations using Hibernate ORM and Spring Boot, reducing database query time by 30% and improving overall system performance.
- Designed a responsive UI with Thymeleaf for intuitive profile customization and efficient contact handling; utilized tools like IntelliJ IDEA, GitHub, MySQL, and Postman.

## Technologies

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**Programming Languages:** Java, Python, JavaScript, HTML/CSS

**Backend Frameworks:** Spring Boot, Spring, Hibernate, Servlets

**Frontend Frameworks:** React.js

**DevOps Cloud:** AWS, Docker, Git, GitHub, CI/CD, Postman

**Databases:** MySQL, MongoDB

## Soft Skills

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

**Interests:** Web Development, DevOps, Cloud Computing

## Certifications

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<b>Introduction to Linux (LFS101)</b> – The Linux Foundation	Mar 2025	<a href="#">View Credential</a>
<b>AWS Free Course</b> – Scaler	Feb 2025	<a href="#">View Credential</a>