

# SHOBHIT KUMAR SHARMA

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## Summary

I learn best by doing and enjoy turning new challenges into learning moments. Whether it's building something from scratch or improving what exists, I focus on growing with each step. I value working with others to create things that are thoughtful, useful, and well-built.

## Education

### Jamia Hamdard University

Sep. 2021 – May 2025

Bachelor of Technology in Computer Science & Engineering CGPA : 7.8

New Delhi, Delhi

**Relevant Courses:** Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, Computer Networks

## Technical Skills

**Languages:** C++, Python, JavaScript, TypeScript, SQL, NoSQL

**Frameworks/Technologies:** HTML/CSS, Tailwind CSS, React.js, Redux, Node.js, Express.js, Flask

**Databases:** MySQL, MongoDB, Redis

**Tools/Platforms:** AWS (EC2, S3, IAM, Lambda – familiar with), Docker, Kafka, Prisma, Postman, Jest, Git

## Experience

### CodSoft

Jan 2024 - Feb 2024

FrontEnd Developer (Intern)

Remote

- Built responsive and interactive frontend interfaces, completing all assigned tasks within the **1-month deadline**, using tools like **Postman** for API testing and **ShadCN UI** for fast and consistent component-based development.
- Resolved over **15+ UI and logic bugs** through structured debugging, thorough testing, effective use of **Git/GitHub** for version control, and consistent self-driven research using online documentation and dev forums.
- Gained confidence in handling complete feature workflows from building and styling to testing and deployment while improving **component design**, layout structuring, and practical problem-solving through focused, hands-on learning.

## Projects

### Concisio | (React, Node, Express, MongoDB, Gemini)

- Followed **MVC architecture** and proper modularity from the start, keeping the code organized and easy to maintain, which helped speed up feature development by around **50%**.
- Faced duplicated logic and messy data flow, refactored components with **single responsibility** and centralized state management, reducing debugging time by nearly **40%** and improving app reliability.
- Backend was complex — modularized code with **clean practices** and used **MongoDB Atlas** for smooth data handling. Added PDF conversion and downloader features (including **HTML-to-PDF**), enabling quicker fixes and updates.

### Linkly | (React, Node, Express, Redis, MongoDB, Firebase)

- Created a fast, custom URL shortener with **Base64** encoding that significantly improves link sharing and readability by over **70%**, making URLs neat and easy to use across all devices and platforms.
- Built user dashboards enabling **custom URLs**, click and time limits, and automatic deletion on expiry. Used **Redis hashmaps**, counters, and **Rate limiting** for efficient, real-time URL tracking and request control.
- Implemented secure authentication using **Firebase Auth** and **JWT tokens**, enabling verified Google and GitHub login with personalized access to manage URLs and view detailed click stats.

### VoltSpot | (React, Node, Express, MongoDB, OpenStreetMap)

- Implemented **MVC architecture** with clean folder structuring, well-defined **schema design**, and robust **data validations** using **express-validator** and client-side checks to ensure data integrity and reliability.
- Built a fully **searchable and filterable listing** of over **20+ EV charging stations** displayed on **OpenStreetMap**, offering smooth map interactions and detailed station data for intuitive user navigation.
- Developed secure **routing** with protected endpoints and role-based access, implemented full **CRUD functionality** on charging stations via user dashboards, and designed a fully **responsive UI** compatible with all devices.

## Honors / Awards

- Solved **400+** DSA problems on platforms like **LeetCode**, **GeeksforGeeks**, and **CodeStudio**.
- Secured a rank in the **top 1.5%** among **1.4 lakh+** participants in **CodeKaze 2024**.
- Earned a **Gold Badge** and ranked in the **top 1%** in NPTEL courses: **Programming in Java** and **Object-Oriented Programming**.