

# SUMIT SHRESHT

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🔗 [Leetcode](#)

## EDUCATION

**National Institute of Technology, Raipur**  
*Masters of Computer Applications - CPI - 8.5*

**Aug 2024 – Aug 2027**  
*Raipur, Chhattisgarh*

**T. M. Bhagalpur University, Bhagalpur**  
*Bachelors of Computer Applications - Percentage - 71.19%*

**Aug 2018 – Sep 2022**  
*Bhagalpur, Bihar*

## EXPERIENCE

**IEEE ICAIHC 2026 Conference — NIT Raipur** [↗](#)  
*Web Development Team Member*

**Sep 2025 – Present**  
*Raipur, Chhattisgarh*

- **Contributed** to the redesign of the official **IEEE ICAIHC** conference website.
- **Improved UI/UX** for better responsiveness, accessibility, and visual clarity.
- **Collaborated with faculty coordinators** and IEEE members on content and design updates.

## PROJECTS

**APIForge - Developer-First API Mocking Platform** [↗](#) | [Next.js](#), [Spring Boot](#), [PostgreSQL](#) **Jan 2026**

- **Architected dynamic Mock Server engine** supporting latency injection and chaos engineering.
- **Containerized full-stack application** with Docker for consistent, scalable microservices deployment.
- **Engineered Next.js Request Hub** with custom reverse proxy to bypass CORS.
- **Implemented stateless JWT authentication** using Spring Security and Next.js Edge Middleware.
- **Decoupled frontend lifecycles** by enabling instant, realistic backend API simulation.

**FlatDB – Open-Source NoSQL JSON Database** [↗](#) | [Java](#), [Gson](#), [JUnit](#)

**Jul 2025**

- **Developed and published** an open-source, lightweight NoSQL database using flat-file JSON storage.
- **Architected modular components** (Database, Collection, Query) for extensibility and clean code.
- **Implemented a powerful in-memory query engine** supporting nested fields and logical conditions.
- **Published on Maven Central** as a reusable Java library under the MIT License.

**SecureZip – Java Library for Encryption & Compression** [↗](#) | [Java](#), [AES](#), [JUnit](#)

**Jun 2025**

- **Developed a Java library** for AES encryption, file compression, and integrity checks.
- **Implemented password-protected ZIP support** using standard and AES-256 encryption.
- **Enabled ZIP file compression**, extraction, content listing, and archive verification.
- **Integrated SHA-256, SHA-1, and MD5 hashing** for file integrity validation and tamper detection.

## SKILLS

- **Languages:** Java, Python, JavaScript, C++, C
- **Web Technologies:** HTML, CSS, React.js, Next.js, REST APIs
- **Backend Technologies and Frameworks:** Spring Boot, RESTful Web Services, Django, FastAPI, Flask, Microservices, JWT Authentication, Spring Security, API Integration, JDBC, Hibernate
- **Software Design:** Object-Oriented Design (OOD), Design Patterns
- **Testing:** Unit Testing (JUnit), Test-Driven Development (TDD)
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Tools & Version Control:** Git, GitHub, Postman, Docker, Maven, Gradle, Visual Studio Code (VS Code), NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch
- **Operating Systems:** Linux, Windows
- **Soft Skills:** Communication, Teamwork, Time Management, Problem-Solving

## ACHIEVEMENTS

- Completed 160-day GeeksforGeeks coding challenge with certification. [↗](#)
- Built strong problem-solving skills solving 200+ LeetCode problems. [↗](#)
- Qualified departmental Smart India Hackathon internal round.
- Shortlisted for Round 2 in EY Hackathon.