

SUMIT SHRESHT

Bhagalpur, Bihar

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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.