

Bodhiswatwa Chowdhury

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SUMMARY

Passionate about learning new technologies and solving real-world problems. Dedicated, quick to adapt, and focused on delivering quality results while working well in team environments.

TECHNICAL SKILLS

- **Languages:** Java, C, Python, Shell Scripting, SQL
- **Web Technologies:** Spring Boot, REST API, HTML, CSS, JavaScript
- **Operating Systems:** Linux (Ubuntu), macOS, Windows
- **Core Concepts:** Data Structures Algorithms (DSA), Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), Computer Networks, DBMS

PROJECTS

Spring Boot E-Commerce Platform

(Java/Spring Boot/MySQL)

- Full-stack development with MVC architecture
- Implemented CRUD operations with Spring Data JPA
- Implemented REST APIs for user authentication, enhancing system security and reducing unauthorized access incidents which improved user trust and satisfaction with the digital platform.
- **Problem:** High latency (1.2s avg) in product search functionality for 10k+ items.
- **Action:** Implemented binary search algorithm and MySQL indexing, reducing query complexity.
- **Result:** Achieved faster search response times and reduced server load.

Real-Time Chat Application

(Java/TCP/IP/Multithreading)

- TCP/IP socket programming with Java
- Multi-threaded client-server architecture
- AES-256 encryption for secure messaging
- Designed socket-based client-server architecture handling 50+ concurrent users.
- Applied synchronization techniques to resolve race conditions, achieving 99.8% message delivery accuracy.
- Reduced latency through thread pooling optimization.

Linux System Automation Suite

(Bash/Git/Jenkins)

- Developed CI/CD pipeline automating deployment for 15+ microservices.
- Utilized cron jobs and shell scripting to reduce manual deployment tasks by 20 hours/month.

EDUCATION

Master of Computer Applications (MCA)

2024–2026

RCC Institute of Information Technology, Kolkata

Pursuing

Bachelor of Computer Applications (BCA)

2021–2024

Techno Main Salt Lake, Kolkata

CGPA: 7.57/10

ACHIEVEMENTS

Artistic Excellence:

- Participate State-Level Painting Competitions
- Secured Placed in National Art Festival

ADDITIONAL SKILLS

- **Soft Skills:** Problem Solving, Team Collaboration
- **Languages:** English (Professional), Bengali (Native), Hindi (Conversational)
- **Interests:** Technical Blogging, Gaming