

# MANJARI TRIPATHI

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## EDUCATION

### Galgotias University

Greater Noida, India

Bachelor of Technology in Computer Science and Engineering — **CGPA: 9.59/10**

Expected May 2028

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems

## TECHNICAL SKILLS

**Programming Languages:** Java, C, MySQL, HTML, CSS, JavaScript (Currently Learning)

**Core Computer Science:** Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems

**Developer Tools:** Git, GitHub, VS Code, MySQL, JDBC

**Frameworks & Libraries:** Java Swing, Java Collections Framework

**Soft Skills:** Problem-Solving, Leadership, Team Collaboration, Time Management, Adaptability, Communication

## PROJECTS

### Hotel Reservation System | Java, JDBC, MySQL | GitHub

2024

- Engineered a full-stack hotel management application using Java and JDBC for seamless database connectivity
- Implemented CRUD operations for customer data management, room availability tracking, and reservation processing
- Designed normalized database schema in MySQL ensuring data integrity and optimized query performance
- Integrated secure database interactions using prepared statements and transaction management

### Rock-Paper-Scissors Game (GUI) | Java, Swing, Event-Driven Programming | GitHub

2024

- Developed interactive desktop game application using Java Swing framework with real-time UI updates
- Implemented event-driven architecture with ActionListener interfaces for responsive user interactions
- Designed intuitive GUI with score tracking system and dynamic result display using Java's layout managers
- Applied object-oriented programming principles including encapsulation and separation of concerns

## EXPERIENCE & LEADERSHIP

### Smart India Hackathon (SIH) – National Hackathon

2024

Team Leader

India

- Led cross-functional team in India's largest government-backed hackathon, coordinating technical development and strategy
- Managed project timeline, task delegation, and team collaboration to deliver innovative solution under tight deadlines
- Presented technical solution to panel of industry experts and government officials, demonstrating leadership skills

### CodSoft

2024

Java Programming Intern

Remote

- Completed industry-focused Java programming internship, developing practical applications and solving real-world problems
- Enhanced proficiency in Java programming, software development lifecycle, and industry best practices

## CERTIFICATIONS & ACHIEVEMENTS

**Academic Excellence:** Maintained 9.59 CGPA, demonstrating consistent academic performance in top 5% of cohort

**Professional Certifications:** Java Programming (Guvi-HCL), Java Collections Framework (Guvi-HCL), Data Structures & Algorithms (Guvi-HCL), Database Management Systems (Oracle)

**Competitive Programming:** Active on LeetCode, solving algorithmic challenges to strengthen problem-solving abilities

**Leadership Recognition:** Smart India Hackathon Team Leader certification for leading national-level innovation project