

# AYUSH SRIVASTAVA

Lucknow, Uttar Pradesh, India

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## EDUCATION

**Maharishi University of Information Technology** Lucknow, India  
*Bachelor of Computer Application (BCA)* Aug 2024 – Aug 2027

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems
- Focus Areas: Java Development, DSA Problem Solving, Frontend Technologies

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, SQL, JavaScript, HTML, CSS  
**Technologies & Frameworks:** MySQL, Git, RESTful APIs, Swing GUI, Frontend Development  
**Core Competencies:** Data Structures & Algorithms, Object-Oriented Design, Problem Solving, Debugging  
**Certifications:** Oracle Cloud Infrastructure 2025 Certified Generative AI Professional, Oracle Cloud Infrastructure 2025 Certified Data Science Professional

## PROFESSIONAL EXPERIENCE

**CodeAlpha** Remote, India  
*Java Developer Intern* Aug 2025

- Developed a GUI-based Student Grade Tracker application using Java Swing, enabling efficient record management and automated score calculations for 100+ student entries
- Implemented dynamic data storage using ArrayList with CRUD operations, reducing data retrieval time by 40%
- Designed and integrated user-friendly interface components following object-oriented design principles
- Collaborated with team to optimize code quality and maintainability through code reviews and refactoring

## PROJECTS

### Hotel Reservation System | Java, MySQL, Swing GUI

- Built a complete hotel booking management system with database integration for handling reservations, customer data, and room availability
- Implemented SQL queries for efficient data retrieval and transaction management with 99% accuracy
- Designed modular architecture using OOP principles including inheritance, encapsulation, and polymorphism
- Created intuitive GUI interface handling multiple user workflows and edge cases

### Student Grade Tracker | Java, Swing, Collections Framework

- Developed desktop application for tracking and analyzing student academic performance with statistical computations
- Utilized Java Collections Framework (ArrayList, HashMap) for optimized data management and quick lookups
- Implemented sorting and searching algorithms to enhance data processing efficiency by 35%
- Integrated exception handling and input validation to ensure robust and error-free user experience