

# Akshata Ingale

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## Professional Summary

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Detail-oriented Computer Science graduate with strong foundations in Data Structures, Core Java, and backend development. Experienced in building secure, scalable applications using Spring Boot, MySQL, RESTful APIs, and MVC architecture. Proficient in implementing authentication systems, encryption techniques, and optimized database operations. Passionate about problem-solving and writing clean, maintainable code.

## Technical Highlights

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- Strong understanding of Object-Oriented Programming (Encapsulation, Abstraction, Inheritance, Polymorphism).
- Hands-on experience with REST API development and layered architecture.
- Proficient in SQL joins, indexing, normalization, and query optimization.
- Experience implementing AES-based encryption for secure data transmission.
- Knowledge of SDLC phases including requirement analysis, development, testing, and debugging.

## Technical Skills

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**Programming:** Java (Collections, Exception Handling, Multithreading), C, C++, Python

**Data Structures:** Arrays, Linked List, Stack, Queue, Trees, HashMap, Searching, Sorting

**Backend:** Spring Boot, JDBC, Servlets, REST APIs

**Frontend:** HTML5, CSS3, Bootstrap, React.js

**Database:** MySQL (CRUD, Joins, Indexing, Normalization)

**Tools:** Git, GitHub, Maven, Jenkins, Eclipse, VS Code

**Concepts:** OOP, MVC Architecture, SDLC, Authentication & Authorization, AES Encryption

## Experience

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### Java FX Developer Intern

Jan 2025 – Jun 2025

*MRND Lab Pvt. Ltd., Pune*

- Developed secure Java desktop applications integrated with MySQL database.
- Implemented AES encryption and decryption modules ensuring secure file storage.
- Designed modular components using OOP principles for improved maintainability.
- Conducted debugging and performance tuning to enhance reliability.

### Java Full Stack Developer Intern

Aug 2025 – Dec 2025

*Zidio Development Pvt. Ltd., Pune*

- Developed backend services using Spring Boot and designed 10+ RESTful APIs.
- Implemented role-based authentication and session validation logic.
- Optimized SQL queries to improve data retrieval performance.
- Integrated frontend and backend modules ensuring seamless data exchange.

## Projects

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### Secure Data Transmission System

- Built a secure file-sharing system using Java Swing, JDBC, and MySQL.
- Implemented AES encryption algorithm to secure file transfer.
- Designed layered architecture separating presentation, business logic, and data layers.
- Developed user authentication and file access control mechanisms.

### Job Portal Application

- Developed a desktop-based job portal supporting Admin, Employer, and Job Seeker roles.
- Implemented CRUD operations and relational schema design.
- Applied MVC architecture to improve scalability and modularity.
- Ensured validation and exception handling for stable execution.

### Doctor Appointment System (Python, ML, MySQL)

- Developed ML-based doctor recommendation system using symptom analysis.
- Integrated MySQL database for managing patient and appointment records.
- Designed backend logic to improve system efficiency and prediction accuracy.

### **Additional Academic Mini Projects**

- Library Management System using Java and MySQL.
- Student Record Management using JDBC connectivity.
- Basic CRUD Web Application using Spring Boot.

## **Education**

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### **Bachelor of Technology in Computer Science and Engineering**

Nov 2022 – Jun 2025

MIT College of Railway Engineering and Research, Barshi

CGPA: 9.43

### **Diploma in Computer Science and Engineering**

Aug 2019 – Jun 2022

Shri Siddheshwar Women's Polytechnic, Solapur

Percentage: 81.71

## **Certifications**

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- Core Java Programming Certification
- Java Full Stack Development Certification
- SQL and Database Management Certification
- Data Structures and Algorithms Certification

## **Leadership & Activities**

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- Awarded Best Performer for ranking 1st across all college sports events.
- Active participant in technical coding competitions and workshops.
- Contributed to collaborative academic projects using Git version control.