

# HEMANT DESALE

Software Developer | Java, AI/ML, DevOps

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## PROFILE SUMMARY

Software Engineer skilled in Java, C#, and cloud-native development, with hands-on experience in AI/ML integration (ONNX, Windows ML) and building scalable enterprise applications using Spring Boot, Azure, and DevOps practices.

## EDUCATION

### SVKM's Institute of Technology

Dhule, Maharashtra

Aug 2023 – Nov 2025

### SSVPS's Science College

Dhule, Maharashtra

Bachelor of Computer Science (B.Sc.) — CGPA : 8.95

Apr 2020 – Jun 2023

## PROJECTS

### Windows Local Agentic Semantic Search Platform | C#, C++, Python, ONNX, Win ML Oct 2025 – Present

- Built a Windows-native agentic semantic search engine using ONNX Runtime, enabling fast, privacy-preserving local file discovery.
- Implemented hybrid keyword/vector search with sense–reason–plan–act workflows for intelligent queries.
- Optimized local inference and added telemetry to improve performance, reliability, and diagnostics.
- Developed a user-friendly UI with syntax highlighting and error reporting.

### Smart E-Commerce System with AI | Java, Spring Boot, REST APIs, MySQL, AI/ML Jul 2025 – Sep 2025

- Developed a cross-platform e-commerce system integrating web, Android, and desktop applications.
- Implemented AI-driven product recommendations and optimized search using ML models.
- Designed secure REST APIs with JWT authentication and payment gateway integration.
- Enabled real-time synchronization across platforms using efficient DSA techniques .

### AI-powered Social Media Platform | Spring Boot, Android, REST APIs Mar 2024 – Aug 2024

- Developed a cross-platform social networking system enabling secure communication and AI-based friend suggestions.
- Integrated web and mobile applications for seamless interaction.
- Implemented Graph Algorithms for friend recommendations and cloud-based media storage.
- Secured user data using OAuth 2.0 and end-to-end encryption.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C/C++, C#, SQL, JavaScript, HTML/CSS

**Frameworks:** Spring Boot, Spring MVC, Spring Security, Hibernate, .NET, React.js

**Cloud & DevOps:** Microsoft Azure, AWS, Microservices, REST APIs, Cloud Deployment, Maven, Gradle, Git, Jenkins, Docker, Kubernetes, CI/CD

**Testing & APIs:** JUnit, Postman (API Testing), JSON, Swagger

**AI/ML Deployment:** ONNX Runtime, Windows ML

**Developer Tools:** IntelliJ IDEA, VS Code, Eclipse (familiar with Android Studio, PyCharm)

**Other:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), Agile Methodologies Problem-Solving, Team Collaboration

## ACHIEVEMENTS/CERTIFICATIONS

- Full Stack Java Development (Symbiosis & Capgemini)** Jun - 2025  
*Completed a 3-month certification program by Symbiosis Skills and Professional University's Digital Academy, focusing on full-stack Java development under the Symbiosis Open Education Society.*
- Data Structure and Algorithm Using Java (LearnYard)** Jun - 2024  
*Completed a 6-month comprehensive course covering Java-based data structures and algorithms from basic to advanced concepts.*
- Code-O-Thon Competition (TechnoCave)** May - 2024  
*Participated in a competitive coding event, demonstrating strong problem-solving and algorithmic expertise.*