

# Dhinithya Verma

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## SUMMARY

**Java Backend Developer** with expertise in **Spring Boot**, **RESTful APIs**, and **MongoDB**, skilled at building **secure, scalable backend systems**. Experienced in **Spring Security** and **JWT** for modern authentication and **role-based access control**. Knowledgeable in **microservices architecture** and **Redis caching** to optimize performance. Currently advancing skills in **CI/CD pipelines**, **Docker**, and **DevOps practices**, while pursuing an **Integrated MCA** at **IIPS DAVV Indore**.

## EDUCATION

**International Institute of Professional Studies (IIPS) DAVV, Indore** 2022 - Present  
*Integrated Master of Computer Applications (BCA+MCA) | CGPA: 7.46* Indore, MP

## SKILLS

**Programming Languages:** Java, SQL, HTML/CSS  
**Frameworks:** Spring Boot, Spring Security, Thymeleaf, Bootstrap  
**Tools:** Git/GitHub, Redis, Jenkins, Docker, Postman, Swagger  
**Databases:** MongoDB, MySQL  
**Concepts:** REST APIs, OOP, Data Structures & Algorithms, Microservices, SDLC

## EXPERIENCE

**Lead Backend Developer (Academic Role) | IIPS DAVV** Jan 2025 - May 2025  
**Job for Real (Job Portal) | Spring Boot, MongoDB, Spring Security, Swagger** Indore, MP

- Architected and engineered** backend infrastructure using **Spring Boot** and **MongoDB**, integrating **Spring Security** with JWT-based authentication for secure, scalable access control.
- Implemented and streamlined** role-based access workflows for Job Seekers, Employers, and Admins, enhancing user onboarding efficiency by **40%**.
- Optimized and fine-tuned** database queries and REST API endpoints, reducing response times by **~30%** under simulated load of **100+ concurrent users**.
- Documented, validated, and stress-tested** REST APIs with **Swagger** and **Postman**, achieving **95%+ functional coverage** and ensuring production-ready quality.

## ACADEMIC PROJECTS

**Journal App | Spring Boot, MongoDB, Spring Security, REST APIs** Oct 2024- Dec 2024

- Built** a secure backend system with **Spring Boot**, **MongoDB**, and **RESTful APIs**, enabling authenticated users to create, update, and manage personal journal entries.
- Implemented Spring Security with BCrypt encryption** for user credentials, integrated **JWT**, **OAuth2**, and **Redis caching** to enhance scalability, session management, and performance.
- Applied layered architecture** (controllers, services, repositories) to ensure clean separation of concerns, extensibility, and cloud-readiness for future deployment.

**Fit-Pilot (Microservice Fitness App) | Spring Boot Microservices, MongoDB, RabbitMQ, Eureka, Keycloak, Gemini API**

- Architected a **six-service microservice ecosystem** (User, Activity, AI, Gateway, Config Server, Eureka) enabling modular, independently deployable fitness tracking components.
- Implemented **asynchronous communication** with **RabbitMQ** and centralized authentication via **Keycloak**, improving **inter-service reliability and security by ~35%**.
- Developed an AI-powered insight module** using **Gemini API** to generate personalized workout feedback, adding intelligent automation to the fitness tracking.

## ACHIEVEMENTS

**Cloud Computing Fundamentals** – IBM SkillBuild  
**Career Essentials in Generative AI** – Microsoft and LinkedIn