

# Goutam Mandloi

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## Summary

A highly motivated 2025 Computer Science graduate specializing in Java backend development. My expertise is centered on building and deploying scalable applications using Spring Boot, Hibernate, RESTful APIs, and Microservices. I complement this with hands-on internship and project experience in DevOps (CI/CD, Docker, Kubernetes) and AWS, making me ready to contribute to the full software lifecycle.

## Experience

Spring Boot Developer InternMar 2025 – Present

Pankaj Sir Academy Bangalore — On-site

- Developed and maintained RESTful APIs for individual microservices using **Spring Boot**, contributing to a distributed application architecture.
- Implemented the persistence layer for services using **Spring Data JPA** and **Hibernate** to interact with a **MySQL** database.
- Secured API endpoints by implementing authentication and authorization mechanisms using **Spring Security**.

Java Developer InternJun 2024 – Sep 2024

Coding Shuttle — Remote

- Developed a feature-complete monolithic web application using a Model-View-Controller (MVC) architecture with Java and Spring Boot.
- Implemented a robust security layer using Spring Security and OAuth2 for user authentication and role-based authorization.
- Created a comprehensive testing suite using JUnit 5 and Mockito to ensure code quality and reliability, achieving high code coverage with Jacoco.
- Utilized Spring Boot Actuator for application monitoring and implemented SLF4J for effective logging.

## Skills

Languages & Frameworks	Java, Spring Boot, Spring Cloud (Gateway, Feign), Spring Security, Spring Data JPA, Hibernate
Developer Tools & APIs	REST APIs, Git, GitHub, Swagger, Jira
IDEs & Servers	IntelliJ IDEA, Eclipse, STS, Apache Tomcat, Eureka Server
Databases & Caching	MySQL, PostgreSQL, Redis, AWS S3
Event Streaming	Apache Kafka
Testing Tools	JUnit, Mockito, Jacoco, Postman
CI/CD & Build	Jenkins, GitHub Actions, Maven
Containerization & IaC	Docker, Kubernetes (EKS), Terraform, Ansible
Monitoring & Logging	ELK Stack (Elasticsearch, Logstash, Kibana), Zipkin, SLF4J
Platforms	AWS, Linux, Ubuntu
Core Competencies	Problem-Solving, Teamwork & Collaboration, Continuous Learning, Agile Methodologies

Projects

<b>Hotel Management System (Microservices)</b>	GitHub Link
<i>Tech Stack: Java, Spring Boot, Spring Cloud, Kafka, AWS S3, MySQL, Docker</i>	
<ul style="list-style-type: none"><li>Architected a distributed application with microservices for <b>User, Property, Booking, and Payment</b>, using <b>Spring Cloud Gateway</b> for API routing and <b>Eureka</b> for service discovery.</li><li>Engineered an event-driven notification system using <b>Apache Kafka</b> to ensure asynchronous, reliable communication for booking confirmations and updates.</li><li>Implemented robust security using <b>Spring Security</b> with <b>JWT-based authentication</b> to protect endpoints and enforce role-based access control (RBAC).</li><li>Integrated <b>AWS S3</b> for scalable, secure storage and retrieval of property images and user documents.</li></ul>	

<b>Ride Booking Application (Monolithic MVC)</b>	GitHub Link
<i>Tech Stack: Java, Spring Boot, Spring Security, Spring MVC, Thymeleaf, PostgreSQL, JUnit 5, Mockito</i>	
<ul style="list-style-type: none"><li>Built a monolithic web application based on the MVC architecture to create a platform connecting drivers and riders.</li><li>Developed a secure user management system with role-based access (rider, driver) using Spring Security, including registration and login functionality.</li><li>Designed and implemented the core booking logic, allowing users to search for rides, make bookings, and view their ride history.</li><li>Created a comprehensive test suite with JUnit 5 and Mockito to validate business logic and ensure application reliability.</li></ul>	

Education

<b>B.Tech in Computer Science and Engineering</b> , Medi-caps University, Indore	Aug 2023 -May 2025
<b>B.Sc in Computer Science</b> , Medi-caps University, Indore	June 2021 -July 2023

Certifications

• <b>Spring Boot 0 to 1</b> — Coding Shuttle	Sep 2024
• <b>Python Essentials</b> — Cisco	Apr 2024
• <b>Core and Advanced Java</b> — TehnoSoft Informatics	Mar 2024

Publications    Presentations

• <b>KrishiDisha: Revolutionizing Agriculture with Intelligent Recommendations, Disease Detection, and Yield Prediction</b>	
<i>IEEE International Conference on Engineering Innovations and Technologies (ICoEIT-2025)</i>	July 2025
• <b>A Review on Understanding the Patterns of Student Dropout</b>	
<i>World Congress on Smart Computing (WCSC2024), published by Springer</i>	June 2024

Extra-Curricular Activities

• <b>RunnerUp-National Transtemporal tattle trials 2021</b> inurture education pvt.ltd	January 2022
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