

# DEEPAK DEY

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## EDUCATION

**Rajiv Gandhi College of Engineering, Research and Technology**  
Bachelor of Engineering in Computer Science and Engineering; **CGPA: 8.2/10**

Expected Graduation: May 2026  
Chandrapur

## PROJECTS

### BuySmart – Microservices E-Commerce Platform | Spring Cloud Stack | Repo

- Tech: Java 17, Spring Boot 3, Spring Cloud, Kafka, API Gateway, Eureka, JWT, MySQL, Docker
- Built a production-grade e-commerce backend following microservices architecture with independent services for Auth, Product, Inventory, Cart, Order, Payment and Notification
- Integrated Apache Kafka for asynchronous payment processing and order event streaming, ensuring high availability and fault tolerance in a distributed environment
- Implemented centralized API Gateway with custom filters for authentication and rate limiting, using Eureka for service discovery and Zipkin for distributed tracing
- Secured inter-service communication using Spring Security with JWT and orchestrated the deployment of all microservices using Docker Compose

### StudyNest – AI Learning Management System | Spring Boot MVC | Repo

- Tech: Java 17, Spring Boot 3, Spring MVC, Spring Security, JPA, MySQL, Thymeleaf, OpenRouter AI, PDFBox
- Developed a semester-wise academic platform following MVC layered architecture with secure role-based authentication (STUDENT, ADMIN) using Spring Security
- Boosted student engagement by integrating an AI Recommendation System via OpenRouter API to analyze performance and suggest personalized resources
- Accelerated learning rates and efficiency by leveraging AI-driven insights, helping students focus on weak subjects and improve academic progress
- Reduced manual workload for tutors by building an MCQ assessment engine with automated evaluation and dynamic PDF certificate generation

### CineMax – Movie Ticket Reservation System | React + Spring Boot | Repo

- Tech: React 18, Spring Boot 3, JWT, Spring Security, REST API, JPA, MySQL, Docker
- Developed a full-stack movie ticket booking platform with real-time seat selection using an interactive grid-based UI and seat locking mechanism
- Implemented JWT-based authentication and role-based access control for secure management of movie schedules, pricing, and user bookings
- Designed an Admin dashboard for movie management and revenue analytics with transactional integrity to prevent double-booking during high concurrency
- Containerized the application using Docker to ensure consistent deployment environments across local development and production servers

## TECHNICAL SKILLS

**Languages & Frameworks:** Java 8+, Spring Boot, Spring MVC, Spring Security, Spring Cloud, Hibernate, JPA, RESTful APIs, JWT, OAuth

**Databases & Caching:** MySQL, PostgreSQL, Redis

**Messaging & Streaming:** Apache Kafka

**DevOps & Tools:** Docker, Docker Compose, Git, GitHub, Maven, Postman, IntelliJ IDEA

**Cloud & Infrastructure:** Spring Cloud Gateway, Netflix Eureka, Config Server

**Architecture & Concepts:** Microservices Architecture, MVC Architecture, API Gateway, Service Discovery, Event-Driven Architecture, Auth, Distributed Systems

**Other Skills:** Data Structures & Algorithms, Problem Solving, Agile, System Design Fundamentals

## TECHNICAL LEADERSHIP & COMMUNITY BUILDING

**Executive Member (CSI):** Collaborated with team to organize tech-workshops and coding contests for 100+ students. 2023 – 2024

**Content Creator & Manager:** @deepax.dev – Scaled community to 4.7K+ followers in 30 days via collaborative project sharing and strategic tech campaigns.

## LICENSES & CERTIFICATIONS

**Java (Basic) Certificate** – HackerRank

Sep 2025

**SQL: From Zero to Hero** – Udemy

Nov 2025

**ChatGPT Complete Guide: OpenAI API & AI Tools** – Udemy

Aug 2025

**Accenture North America – Project Management Job Simulation** – Forage

May 2025