

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 | GitHub 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 | GitHub 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 | GitHub 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