

ASHUTOSH BHONDELE

SUMMARY

Software Engineer with recently completed PG-DAC (2025-26) and strong expertise in Java, Spring Boot, REST APIs, Microservices, React JS, Apache Kafka, SQL/NoSQL, and AI integration using Google Gemini. Skilled in building scalable full-stack and distributed applications with clean architecture and event-driven systems. Passionate about solving complex problems and delivering high-quality, production-ready software.

SKILLS

Programming Languages: Java, C++, JavaScript, HTML, CSS

Technologies & Frameworks: Spring Boot, Microservices, Spring Cloud (Eureka), Spring MVC, Spring WebFlux, Spring Security, REST APIs, Apache Kafka, Hibernate, JPA, JWT, React JS

Databases: MySQL, PostgreSQL, MongoDB, Redis

AI & Integration: Google Gemini API, Generative AI Integration, Prompting and Looping

Tools & Platforms: Maven, Docker, Git/GitHub, Postman

Concepts: OOPs & SOLID Principles, Java 8, Data Structures & Algorithms, SDLC, Agile Methodology

PROJECTS

E-Mart – B2C eCommerce Platform

Tech Stack: Spring Boot 3, Spring MVC, Maven, REST API, MySQL 8, JPA, Hibernate, Docker, JWT, React JS

- Developed a full-featured B2C eCommerce platform enabling registered members to browse and purchase items across multiple categories with discount and loyalty points support.
- Built as a monolithic architecture using Spring Boot 3, REST APIs, JPA, Docker, and JWT for secure authentication; system triggers automated PDF invoice emails on successful transactions.
- Frontend developed with React JS; backend built entirely with Spring Boot 3, Spring MVC, and JPA with MySQL 8 as the database.

Repository: github.com/JugnuMaverick/PG-DAC_E-Mart_Project

Fitness Tracker – Microservices-Based Fitness Application with AI Recommendations (architecture on pg. 2)

Tech Stack: Java, Spring Boot, Spring Cloud (Eureka, API Gateway), Apache Kafka, Spring WebFlux, Keycloak (OAuth2), MongoDB, PostgreSQL, Google Gemini AI, Lombok, Maven

- Designed a fitness-tracking platform using a Spring Boot microservices architecture with independent User, Activity, and AI services, registered and discovered via Eureka Service Registry and routed through a Spring Cloud API Gateway.
- Secured all incoming traffic with Keycloak (OAuth2) at the gateway layer, centralizing authentication and authorization across services.
- Implemented asynchronous, event-driven communication with Apache Kafka, where the Activity Service publishes events consumed in real time by the AI Service, which in turn integrates Google Gemini AI through a reactive Spring WebFlux WebClient to generate personalized fitness recommendations.
- Applied polyglot persistence — PostgreSQL for user data and MongoDB for activity data — with JPA and Lombok for clean, maintainable service code.

Quiz Generator – Microservice Based Quiz Application

Tech Stack: Java, Spring Boot, Spring Cloud, Eureka Server & Client, API Gateway, Load Balancer, Feign Client, MySQL

- Built a quiz application that generates quizzes on user-selected topics using a microservice architecture with service-to-service communication between independent quiz and question services.
- Implemented Spring Cloud components - Eureka Service Registry, API Gateway, and Load Balancer - for dynamic service discovery and scalable orchestration.
- Used Feign Client for declarative inter-service REST communication, enabling seamless calls between microservices with Eureka Server & Client for service registration.

EDUCATION

Post Graduate Diploma in Advanced Computing (PG-DAC) | 66%: Shriram Mantri Vidyanidhi Infotech (SMVITA) - Juhu, Mumbai - 2025-26

Bachelor of Engineering (BE) - Mechanical | 77%: Rajiv Gandhi Technical University, Bhopal - Bhopal, MP - 2018

Senior Secondary (XII) - Science | 68.4%: Maharishi Vidya Mandir | CBSE - Panna, MP - 2014

Secondary (X) | 83.6%: Maharishi Vidya Mandir | CBSE - Panna, MP - 2012

CERTIFICATIONS & EXTRA-CURRICULAR

Prompt Engineering Basics | OpenAI - Sub-editor, College Magazine - Theater - Interests: Travelling, Cricket, Singing

Fitness Tracker Architecture

