

KANISHKA SHRIVASTAVA

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<https://github.com/KanishkaShrivastava07/Portfolio>

EDUCATION

Sagar Institute of Research and Technology.

B.Tech Computer Science Engineering *GPA: 7.72*

INDIA, MP

Sep 2024 - Sep 2028

SKILLS

Programming Languages:	Java, Python, C++
Java Development:	Core Java, OOP, Multithreading, Collections Framework
Backend Development:	Spring Boot, RESTful APIs
Databases:	MySQL, PostgreSQL
AI & Integrations:	Python, AI-powered API Integrations
Tools & Platforms:	Git, GitHub

PROJECTS

CodeSphere

<https://github.com/KanishkaShrivastava07/CODESPHERE>

CodeSphere is a Java-based interactive compiler and runner built for the terminal. It allows users to write, compile, and execute Java code line by line — all within the same environment.

SpellChecker

<https://github.com/KanishkaShrivastava07/SpellChecker>

A Java-based spell checker that verifies if a word is spelled correctly and provides suggestions for misspelled words using online APIs.

EchoText

<https://github.com/KanishkaShrivastava07/EchoText>

A Java-based Text-to-Speech engine using java built-in libraries that converts written text into spoken word with adjustable speed and pitch settings.

Ride-Sharing Dispatch System

<https://github.com/KanishkaShrivastava07/RideSharingApplication>

The Ride-Sharing Dispatch System is a real-life Java multithreading project that simulates the core backend logic of ride-sharing platforms. The system handles multiple passenger ride requests concurrently while safely managing a limited pool of drivers. It ensures that: A driver is never assigned to more than one passenger. Passengers wait if drivers are unavailable. Drivers are reused efficiently after ride completion. This project focuses on thread safety, synchronization, and inter-thread communication.