

## Project Name-IntervuAi

### Project Overview

**Objective & Scope:** I worked on a complex backend project during my Course.. The project aimed to develop a Interview Platform for User, Practice job interviews, get instant feedback, and hone your skills in tech domains like MERN , Node and Java and user authentication. My specific responsibility was to implement the *chatGpt open ai* integration with spring boot and add feedback functionalities.

- **Technology Used:** We chose to use a microservices architecture with Java and Spring Security, Spring Boot for the backend. We utilized Mysql as the primary database and Redis for caching and for Ui we use React, Tailwindcss . These technology choices were driven by the need for modularity and scalability, given the Attractive Interface and Backend..
- **Challenges & Impact:** One major challenge was optimizing database queries to ensure fast product retrieval and Feedback operations. We faced performance issues that required deep optimizations in chatGpt prompt and caching strategies. These challenges caused delays and required us to reconsider our Controller initial design.
- **Outcomes:** The project was successfully completed with a highly performant InterviewCoach. We gained valuable insights into database optimization and caching strategies. The experience taught me the importance of adapting to unexpected challenges and continuously refining the project's architecture for better performance and scalability.