

LearnBridge – Project Overview

STORY

My journey started when I purchased multiple courses from platforms like Udemy. While the video content was good, I faced a major problem — doubts. There was no real-time teacher interaction and many doubts remained unsolved. This frustration inspired me to build LearnBridge.

WHY LEARNBRIDGE

Existing platforms focus mostly on one-way video learning. LearnBridge focuses on interaction, doubt resolution, and continuous learning support.

TECH STACK

Backend: Python & Django REST Framework – secure and scalable APIs. Database: MySQL – structured and reliable data storage. Frontend: React & Redux – fast UI and state management.

FEATURES

Live teacher-student interaction. Community-based Q&A; system. AI-powered doubt solving. Course and lesson management. Admin approval and moderation system.

CHALLENGES

Real-time communication handling. Role-based access control. Maintaining answer quality. Performance optimization.