

## **PREP-AI: AI-POWERED JOB PREPARATION APP**

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### **ABSTRACT**

*In today's competitive job market, strong interview performance plays a crucial role in securing employment. Beyond technical knowledge, interviews also assess a candidate's communication skills, confidence, and ability to respond to challenging questions. However, many candidates lack access to effective practice methods and personalized feedback to identify and improve their weaknesses. Traditional preparation methods such as self-study or generic question banks often fail to provide interactive learning experiences or meaningful feedback.*

*This project presents Prep-AI, an AI-powered career preparation platform that uses Gemini AI to generate domain-specific interview questions and provide feedback on user responses. In addition to interview practice, the platform includes features such as a Resume Analyzer, Resume Builder, Cover Letter Generator, and Technical Question Practice module. Built using Next.js, Drizzle ORM, Neon PostgreSQL, and secured with Clerk authentication, Prep-AI offers a reliable and interactive environment that helps users improve their resumes, strengthen interview responses, and build confidence for job applications. By consolidating various preparation tools and furnishing custom feedback, it seeks to democratize high-quality interview preparation and build users' self-assurance for professional success.*

**KEYWORDS:** *AI-powered, Gemini, Resume Analyzer, Mock Interview, Career Readiness, HR Preparation, Cover Letter Generator*

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