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AI-POWERED INTERVIEW PREPARATION & RESUME ASSISTANT

New Era New Technology

Team Members

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THE PROBLEM WE'RE SOLVING

- ATS Rejection: 75% of resumes never reach human recruiters due to poor formatting and missing keywords

- Generic Templates : One-size-fits-all approaches fail in competitive job markets

- Expensive coaching services Professional coaching costs $100-$500 per session - too expensive for students and fresh graduates

- No personalized feedback : Existing tools provide generic advice, not tailored to individual backgrounds

- Job Description Mismatch: Most job seekers struggle because they don't know what employers actually want

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Our Solution

- **Smart Resume Analysis: Uses AI to compare your resume against job descriptions and identify gaps .**
- **AI Mock Interviews: Practice with realistic questions and get instant feedback on your answers .**

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Impact & Benefits FOR JOB SEEKERS:

- Higher interview success rates
- Better job offers and salaries
- Increased confidence in interviews
- Clear skill development path
- Democratizes career coaching
- Bridges industry-skill gaps
- Creates more qualified candidates
- Reduces hiring costs for companies

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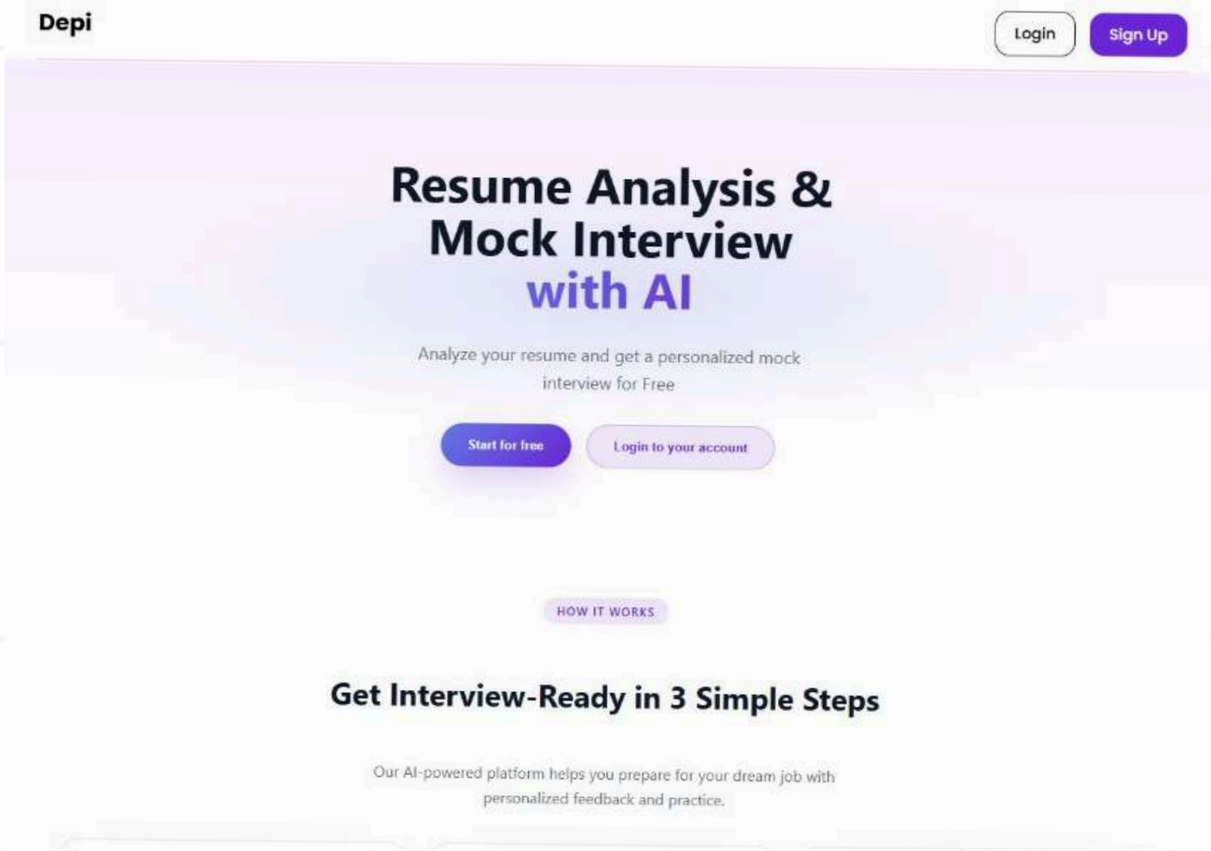
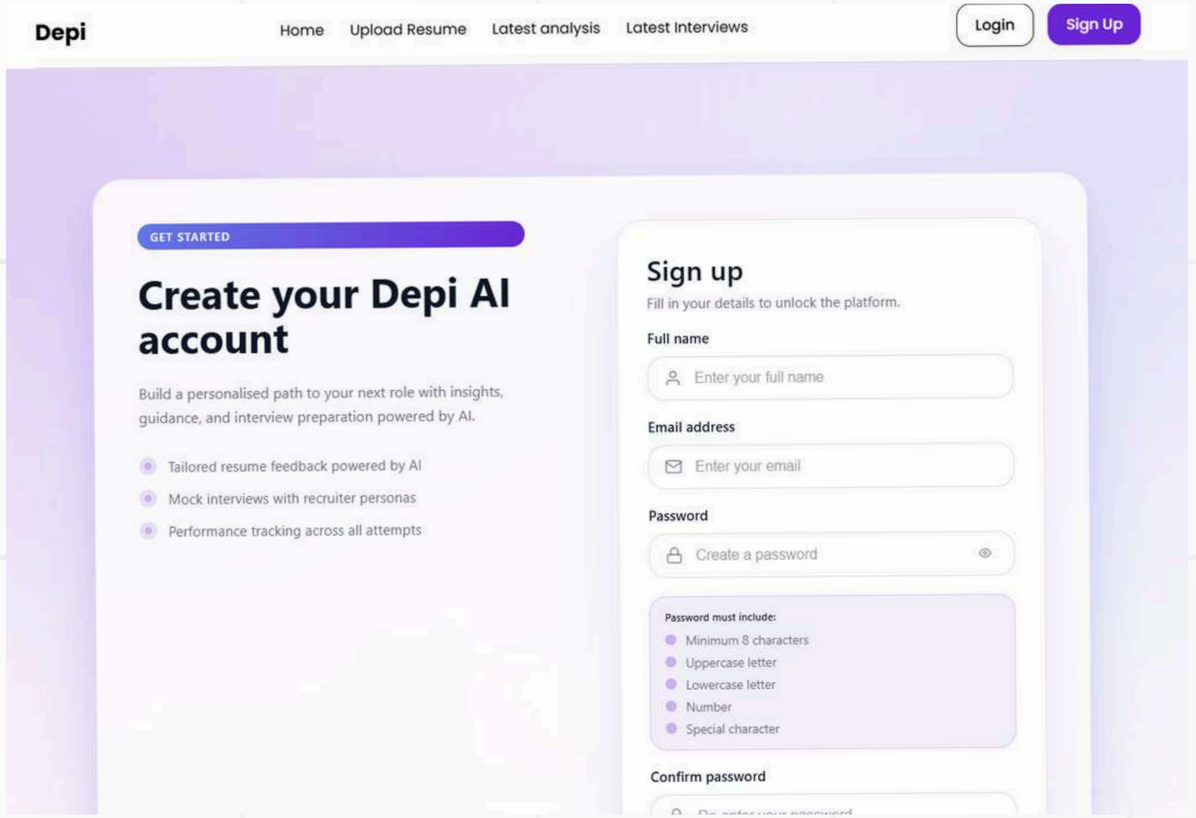
How It Works





- If you already have an account, log in and continue your journey with us.

- If you don’t have one, create an account and start your journey.

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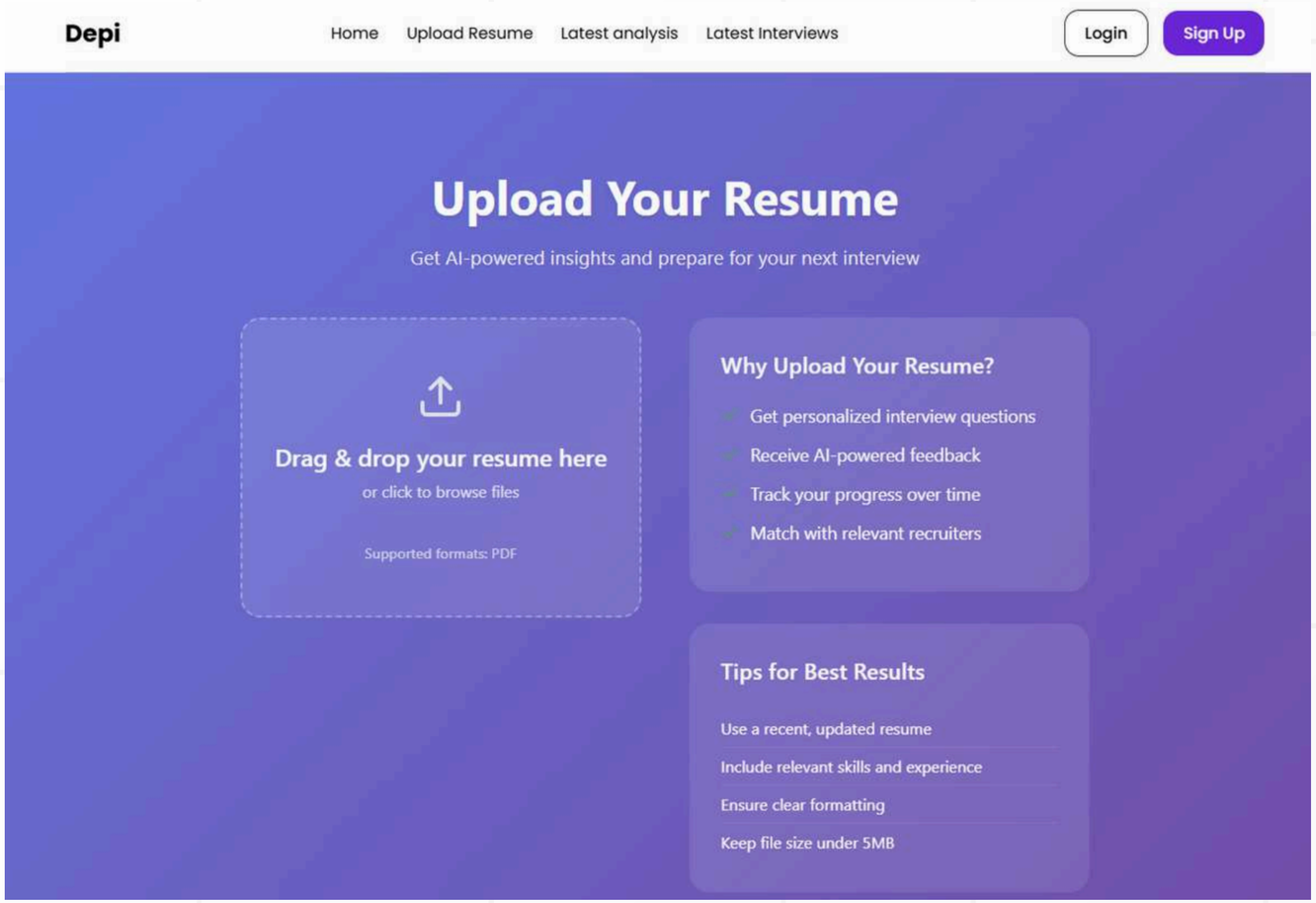
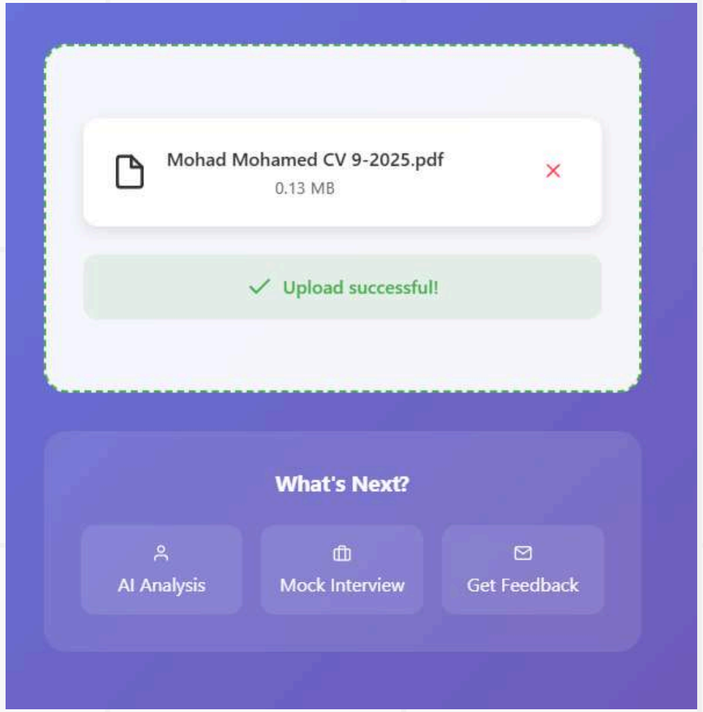
How It Works



- Upload your resume (PDF)

- choose what you'd like to do next



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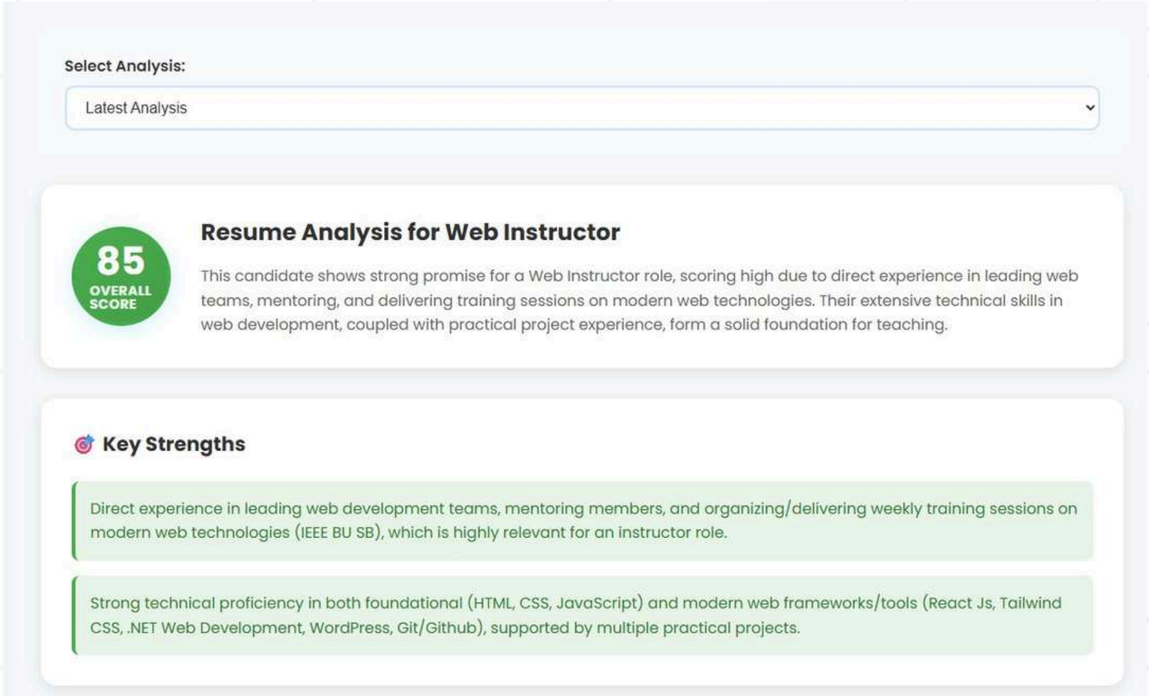
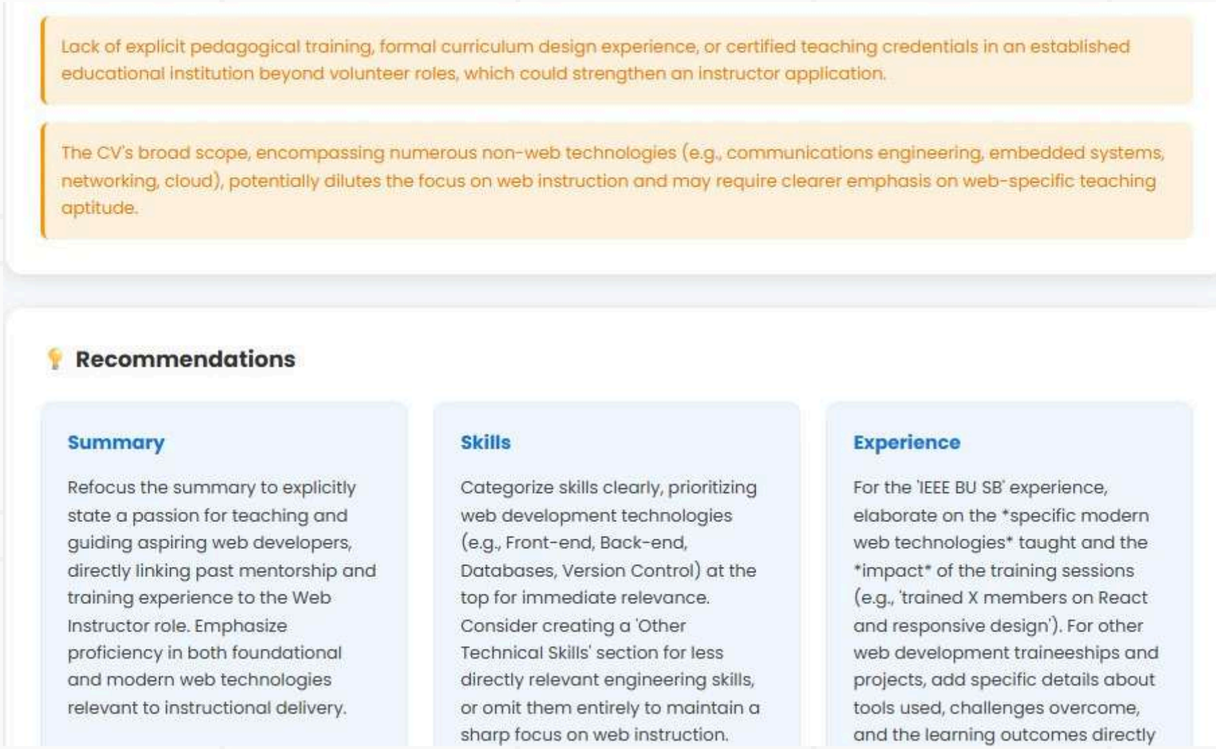
How It Works



- After the analysis, your score and strengths will be displayed



- Your weaknesses that need improvement, along with some tips and guidance to fix them

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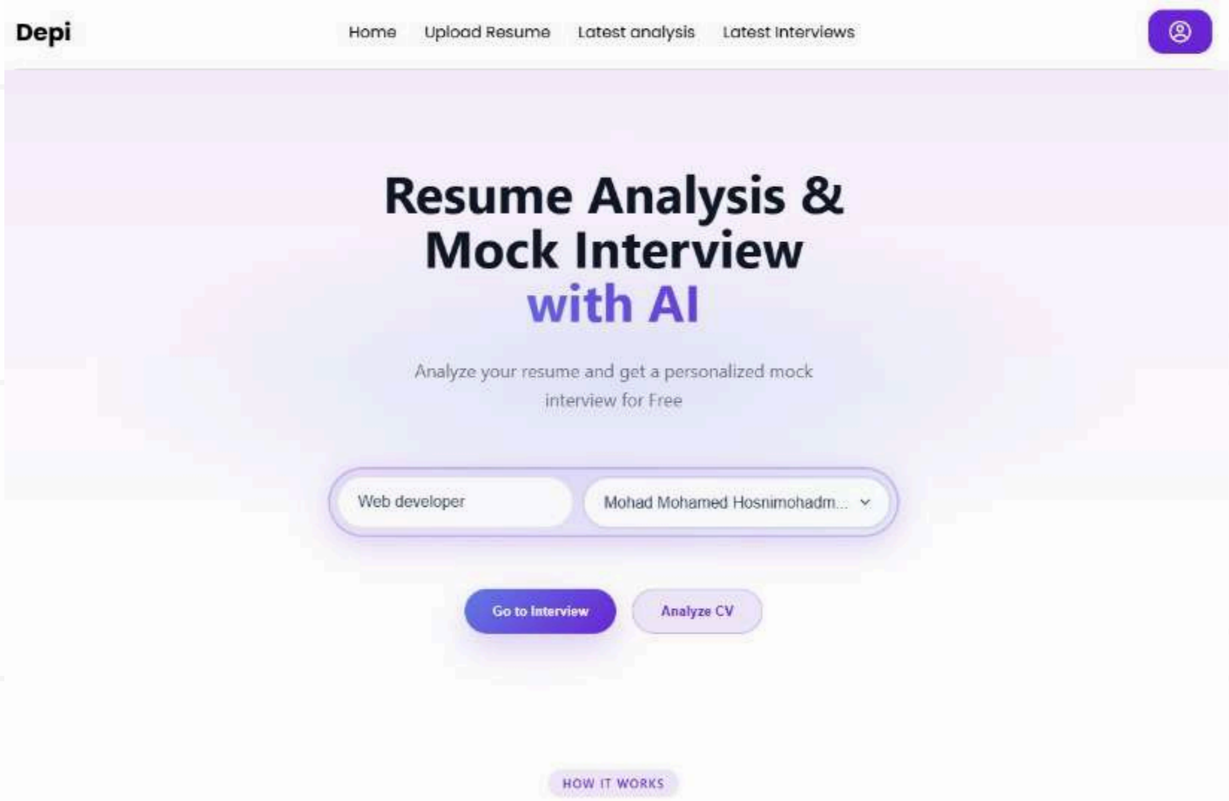
How It Works



- Enter the job title or position you are applying for .

- Start a mock interview featuring advanced questions commonly asked in real interviews for this position .

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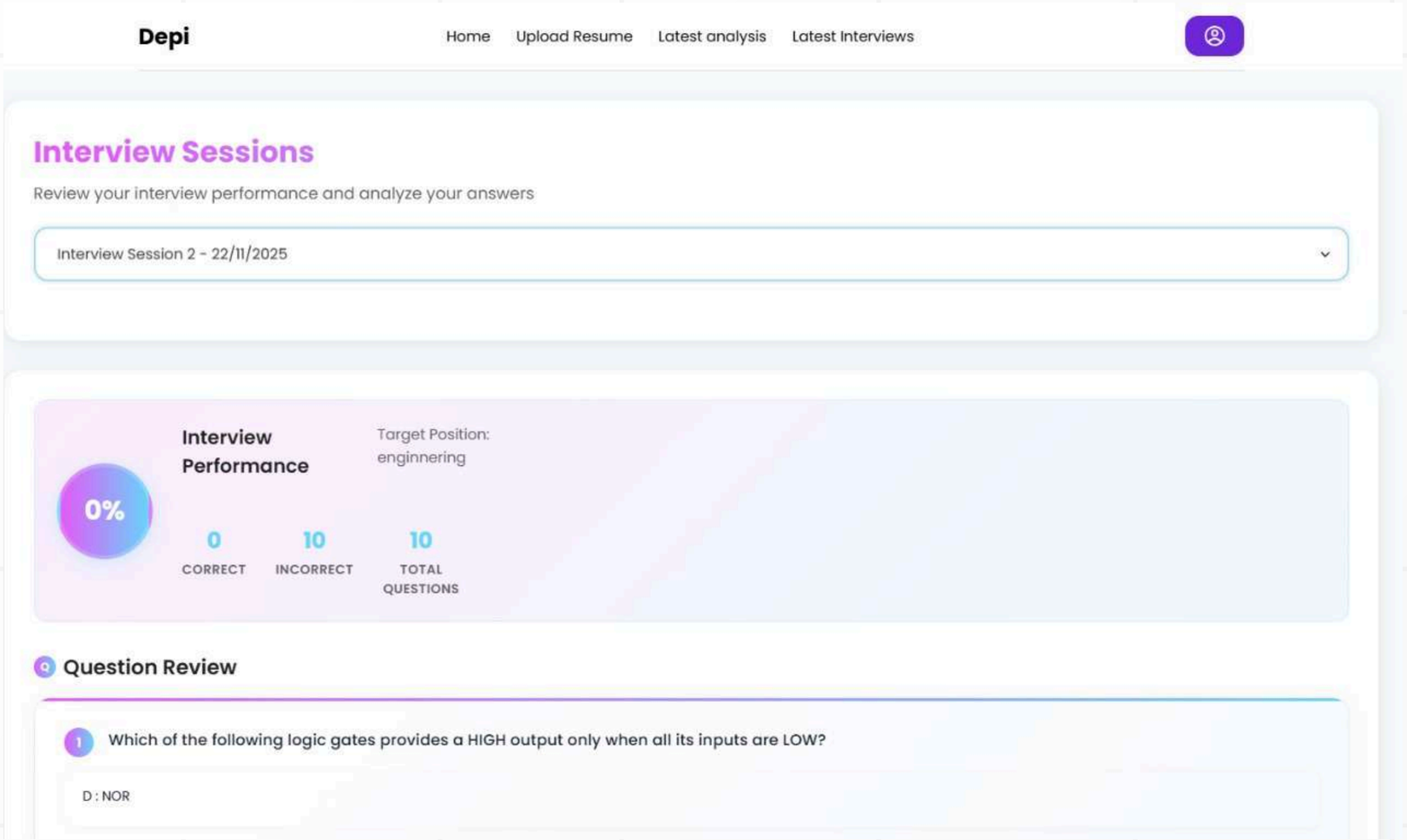
How It Works



- **Finally, your dashboard gives you access to all your interview questions, lets you review your performance scores, track your overall progress, and monitor how your skills improve with every practice session.**

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Key Features RESUME ASSISTANT DETAILS

- ATS Check: Identifies formatting issues that cause automatic rejection
- Keyword Optimization: Highlights essential skills missing from your resume
- Structure Analysis: Suggests better organization of sections and content
- Skill Highlighting: Emphasizes your most relevant competencies for each job
- AI INTERVIEW COACH DETAILS:
- Question Variety: Dynamic question generation based on industry and role
- Performance Metrics: Scores clarity, relevance, and structure of your answers
- Progress Tracking: Monitors improvement across multiple practice sessions

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Technology Stack

FRONTEND

- React.js
- Responsive design for all devices
- Interactive user interface

BACKEND

- ASP.NET Core Web API

API TESTING

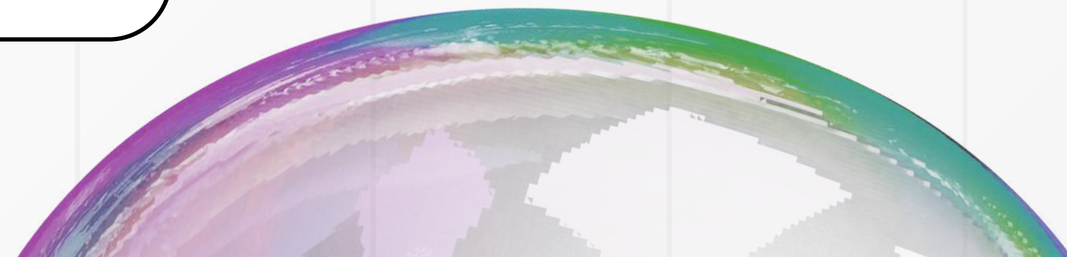
- Swagger UI - For automated API documentation & testing
- Postman - For manual API endpoint validation
- Integration Testing - Testing full system workflows

DATABASE

- Microsoft SQL Server

AI

- Google Studio AI (Gemeni Free V)



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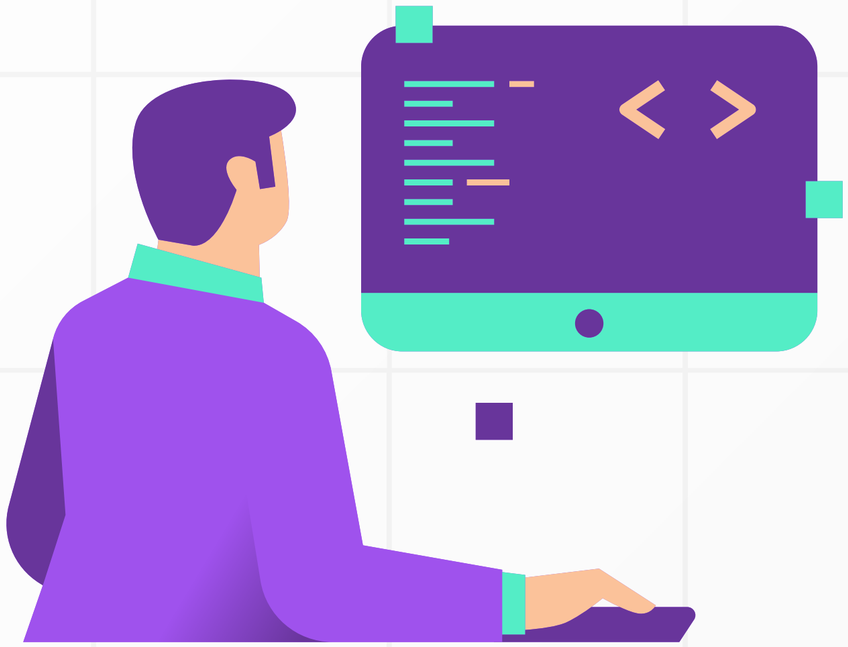
System Architecture



CLIENT side (React.js)

- Frontend User Interface
- Resume Upload Components
- Interview Practice UI
- Dashboard & Analytics Views

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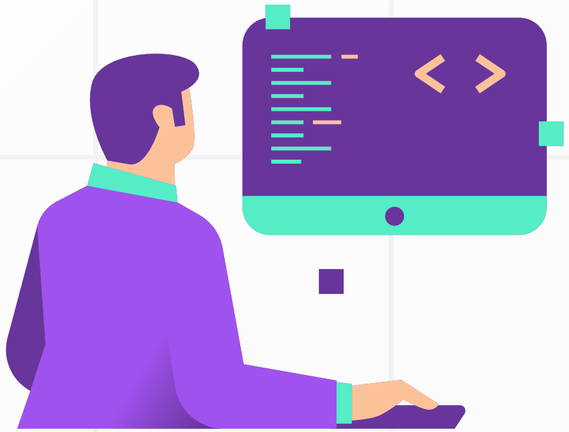
System Architecture

API LAYER (DEPIAPI)

- ASP.NET Core Web API
- RESTful Endpoints
- JWT Authentication
- Request/Response Handling



APPLICATION LAYER (DEPI Application)

- Business Logic & Processing
- AI Integration & Analysis
- Service Classes
- Domain Models
- Validation Rules

DATA ACCESS LAYER (DEPI Data_Access)

- SQL Server Database
- Repository Pattern
  Abstracts database operations
- Unit of Work Pattern
  Manages transactions and data consistency
- Entity Framework Context

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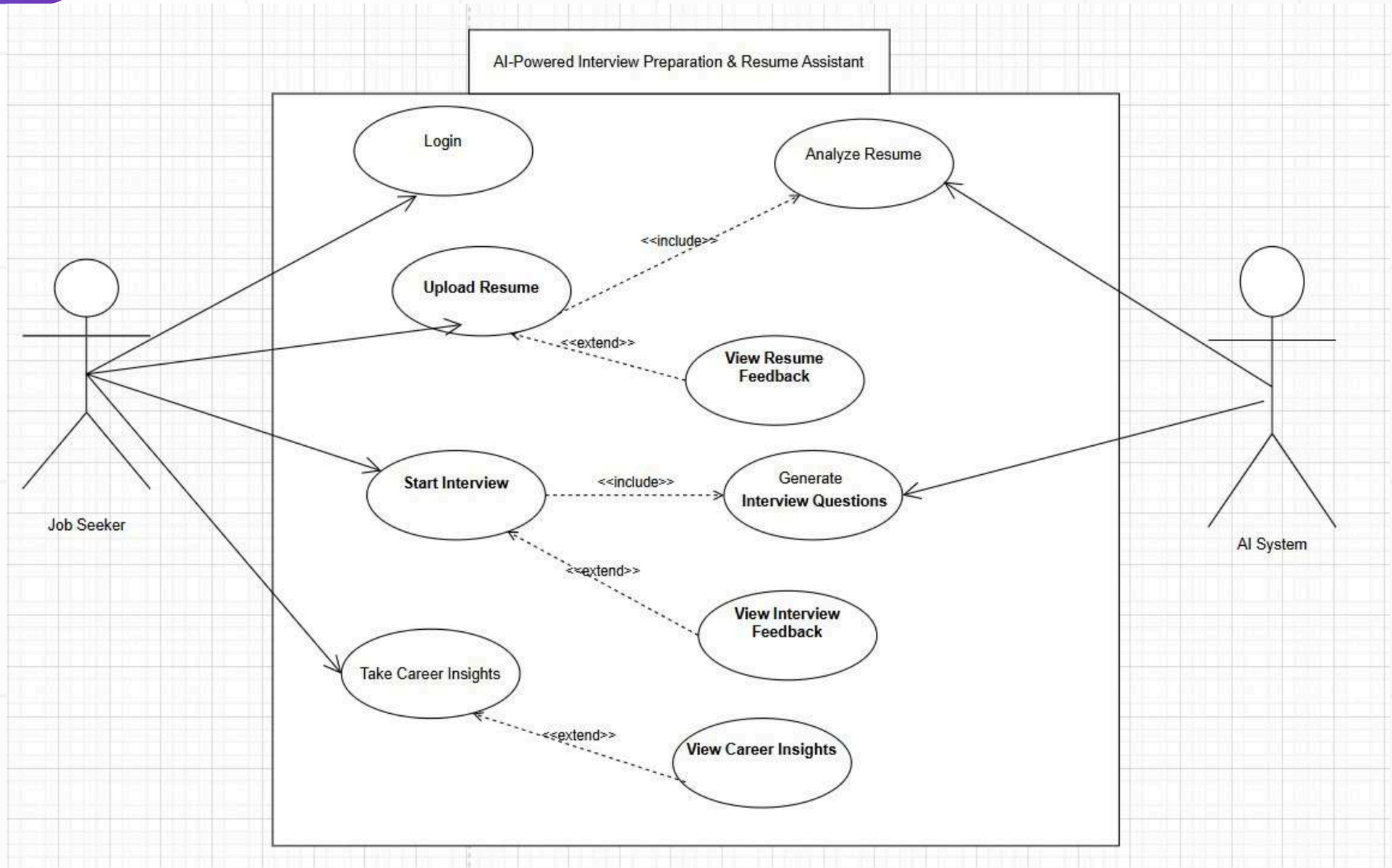
USECASE DIAGRAM



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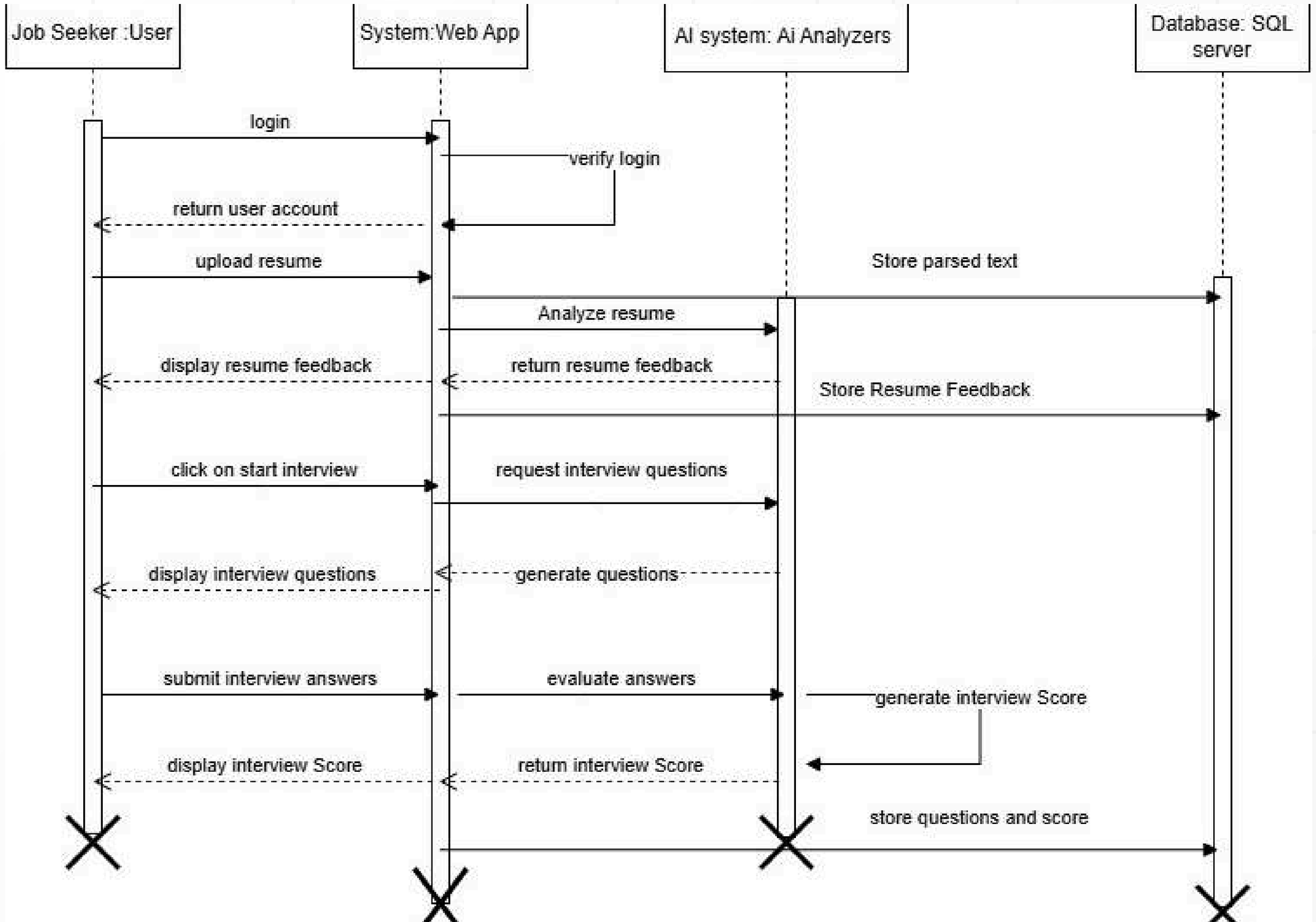
SEQUENCE DIAGRAM



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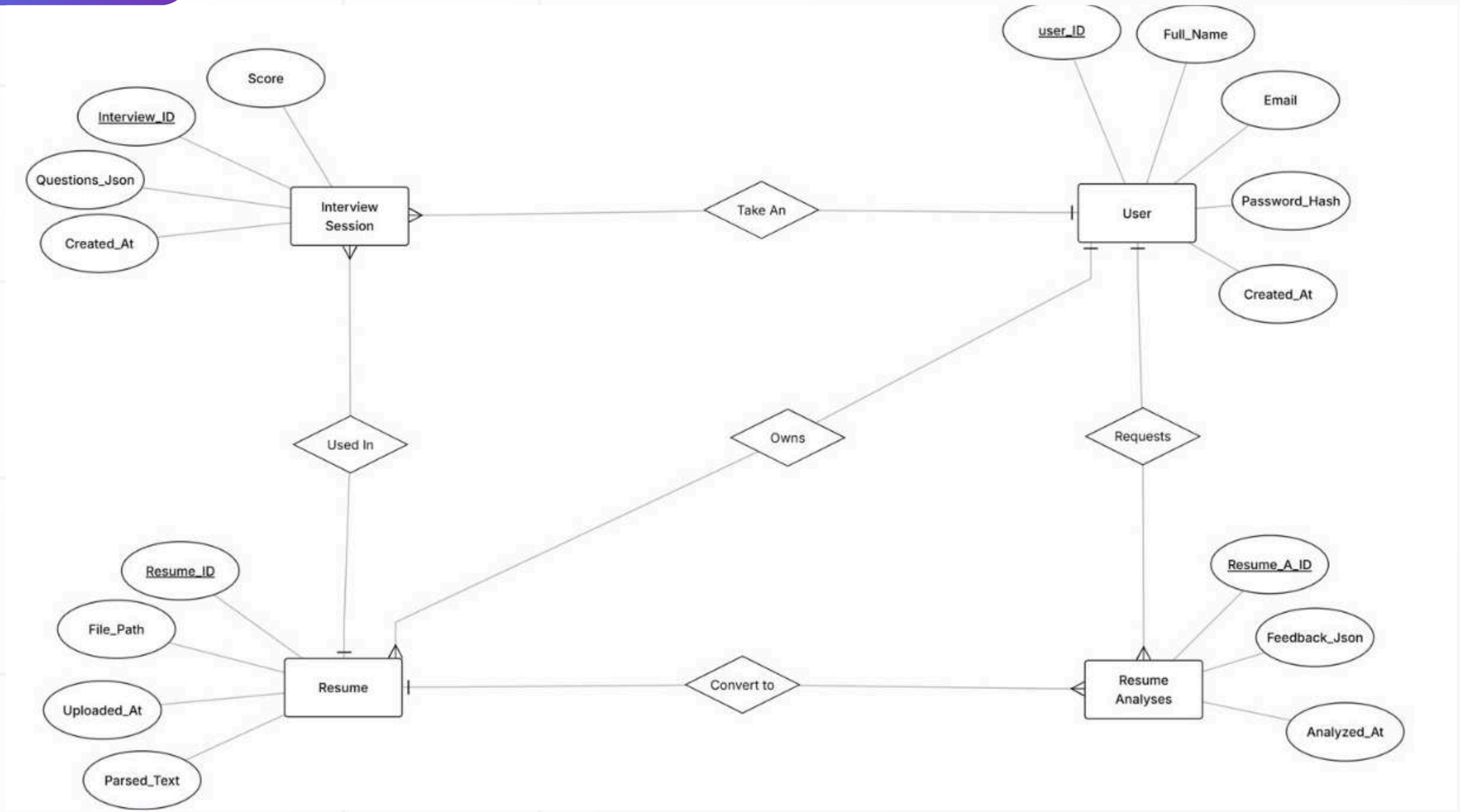
ERD DIAGRAM



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THANK YOU