Personalized Student Recommendations

Develop a Python-based solution to analyze quiz performance and provide students with personalized recommendations to improve their preparation.  
  
App Link: [NEET Testline - on Google Play](https://play.google.com/store/apps/details?id=practice.test.neet.testline&hl=en_IN)  
  
**Data Overview:**You will work with two datasets:

1. **Current Quiz Data**Details of a user’s latest quiz submission, including questions, topics, and responses, etc.[Quiz Endpoint](https://jsonkeeper.com/b/LLQT), [Quiz Submission Data](https://api.jsonserve.com/rJvd7g).
2. **Historical Quiz Data**Performance data from the last 5 quizzes for each user, including scores and response map (Key:Question Id, Value: Selected option id). - [API Endpoint](https://api.jsonserve.com/XgAgFJ).

### **Task:**

1. **Analyze the Data:**
   * Explore the schema and identify patterns in student performance by topics, difficulty levels, and response accuracy.
2. **Generate Insights:**
   * Highlight weak areas, improvement trends, and performance gaps for a given user.
3. **Create Recommendations:**
   * Propose actionable steps for the user to improve, such as suggested topics, question types, or difficulty levels to focus on.

### **Bonus Points:**

* Analyze and define the **student persona** based on patterns in the data. Highlight specific strengths and weaknesses with creative labels or insights.
* Probabilistic model that predicts the student's NEET rank based on their quiz performance and previous year NEET exam results

**Submission Guidelines:**Submit the source code via a GitHub link, including:

* A README with setup instructions, project overview, and approach description.
* Screenshots of key visualizations and insights summary.
* A 2-5 minute video demonstrating the script/API with sample inputs, output, and a brief explanation of the logic and recommendations.

We’re eager to see your AI-driven approach and problem-solving skills in action. Best of luck!