

AI-Powered Student Learning Platform

This AI platform helps students improve by providing personalized feedback and study materials.

Cyber-Tech Masters

TP MOLEMANE

BP LUNGA

KM MOKOKA

G TAU

L DUNGAYEZI

MT BALOYI

SP MAEPA





Business Objectives

1

Enhance Learning

Personalized learning experiences tailored to each student's needs.

2

Adaptive Learning

Learning paths adjust based on student progress.

3

Increase Engagement

Interactive quizzes and real-time feedback keep students engaged.

Success Criteria

Improved Scores

Track improvement in grades and test scores.

User Engagement

Monitor active users and time spent learning.

Problem & Solution

The Problem

Students struggle to identify weak areas and find resources.

The Solution

AI analyzes tests, identifies weaknesses, and suggests materials.





How AI Works

1

Data

Test data and past performance train the model.

2

Analysis

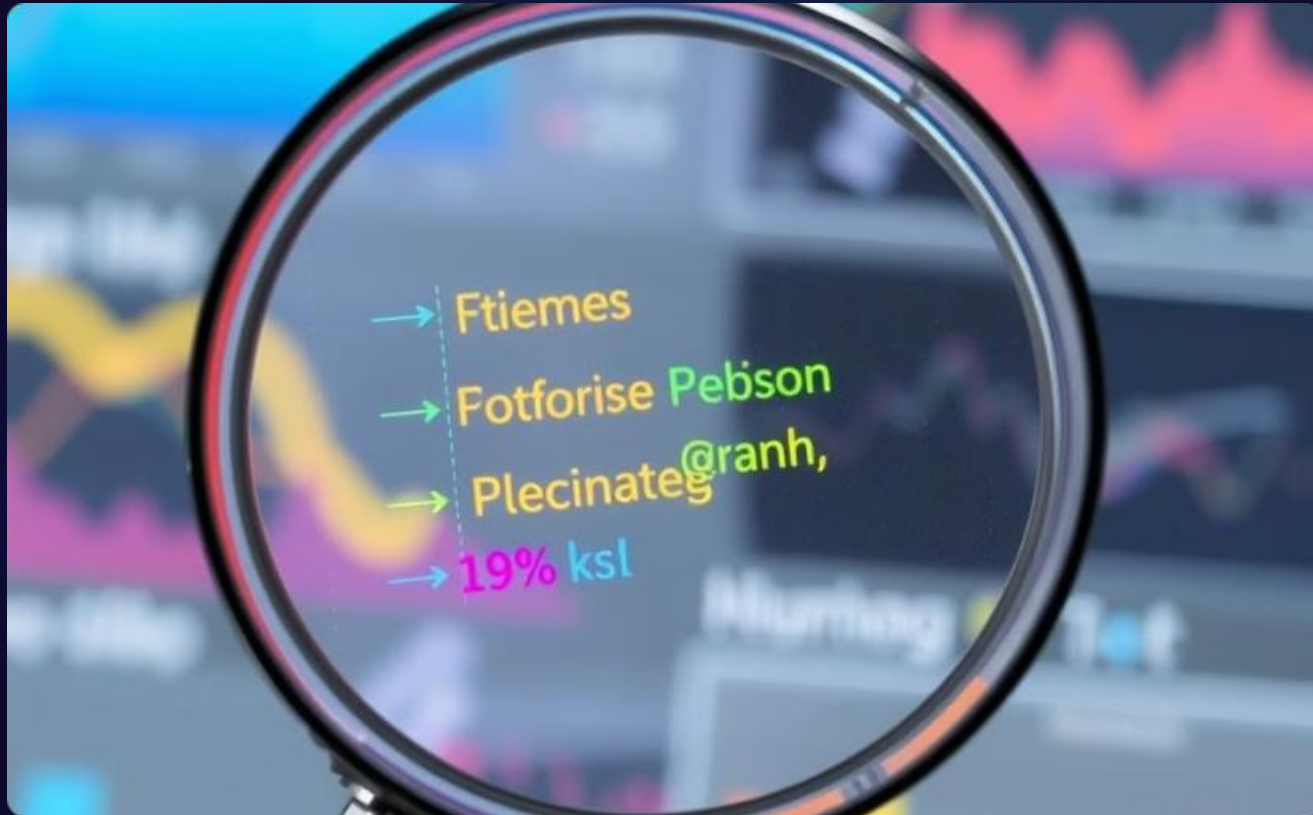
AI identifies weak areas using regression models.

3

Feedback

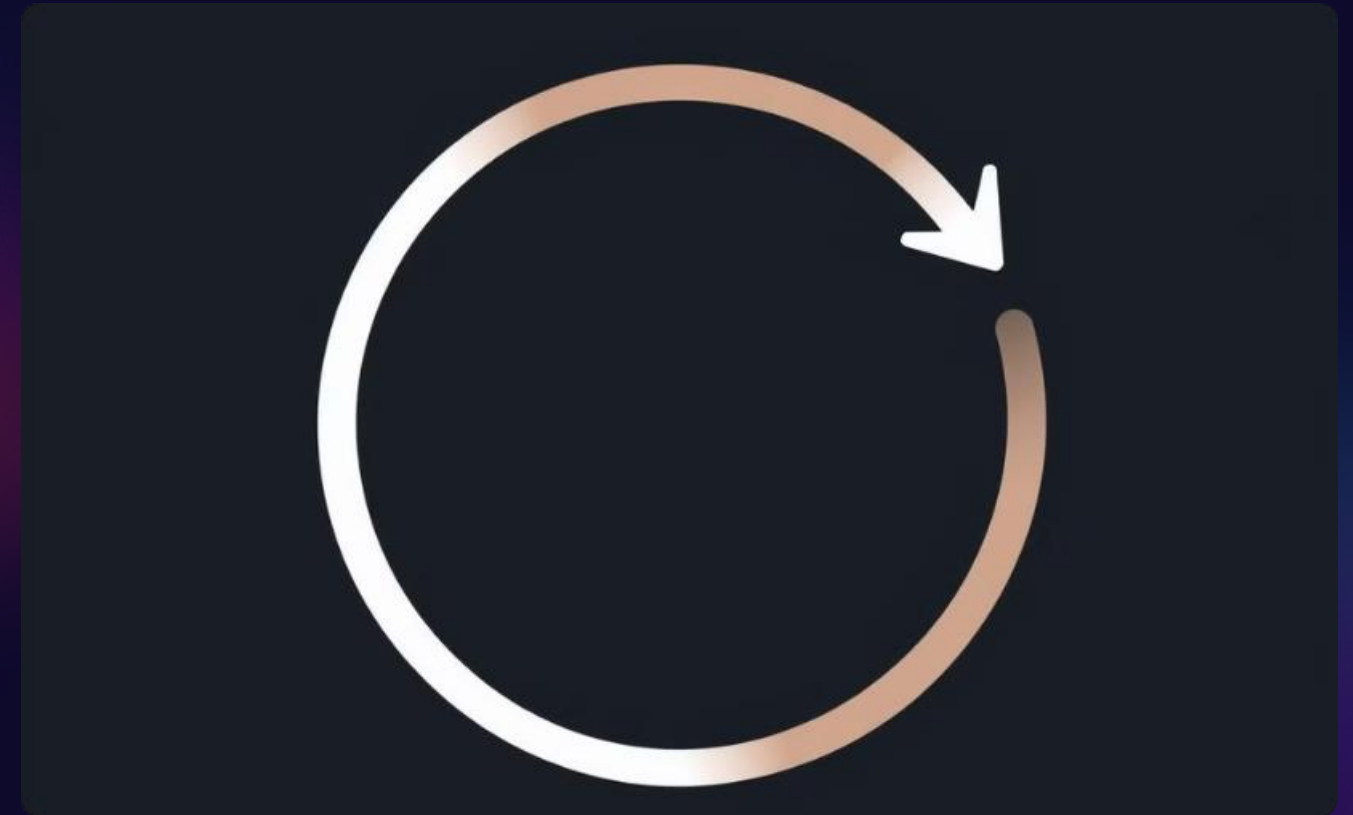
Personalized feedback and study materials are provided.

Solution Techniques



Feature Selection

Focus on attempts and test scores.



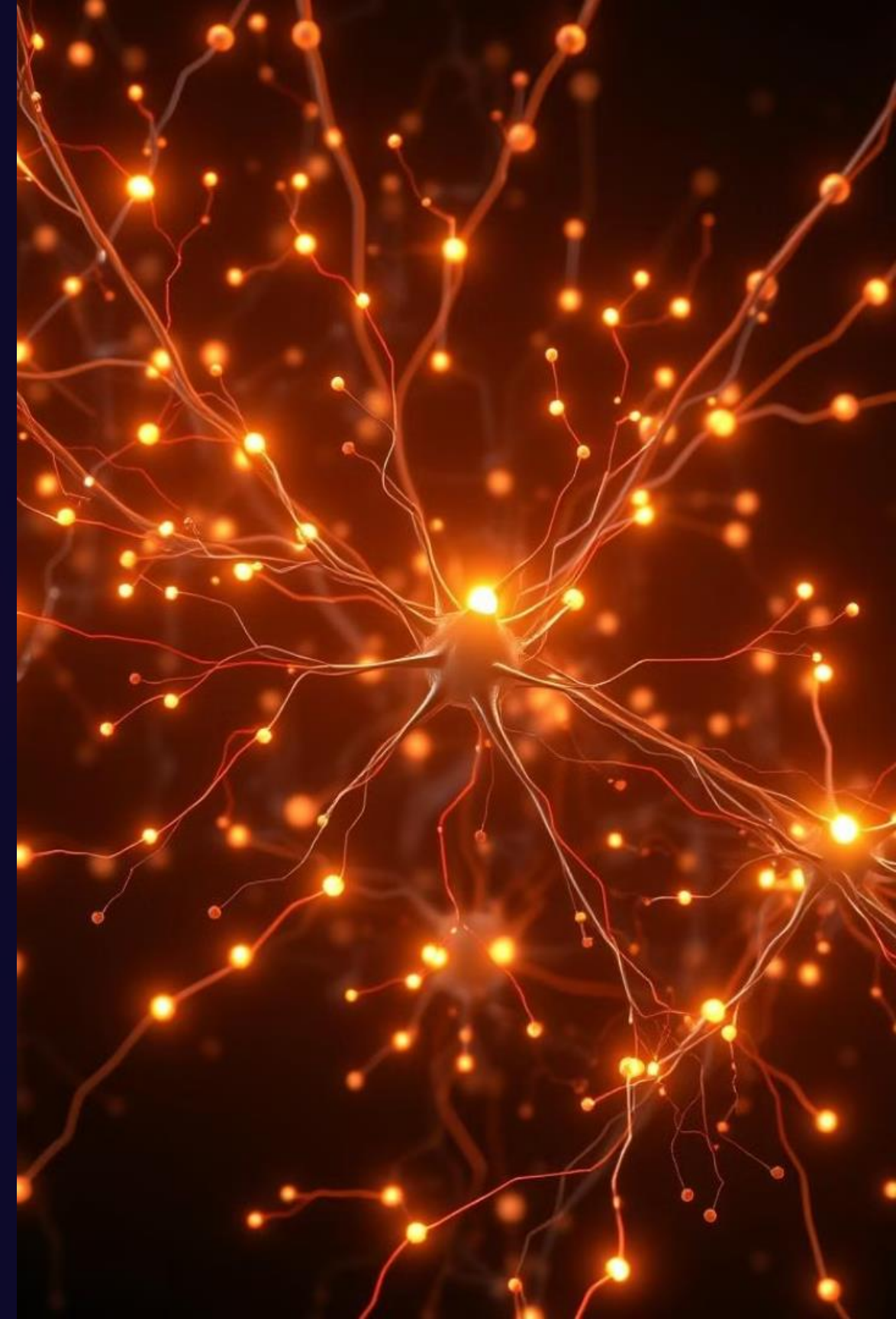
Improvement Mechanisms

Regular retraining and adaptive learning.

Deep Learning

Deep learning analyzes complex data for accurate predictions.

It enhances the platform's ability to forecast future performance.



Softbot Assistance



Quiz Guidance

Offers instructions and hints during quizzes.



Personalized Feedback

Analyzes results and provides tailored feedback.



Resource Suggestions

Links to external resources and study guides.



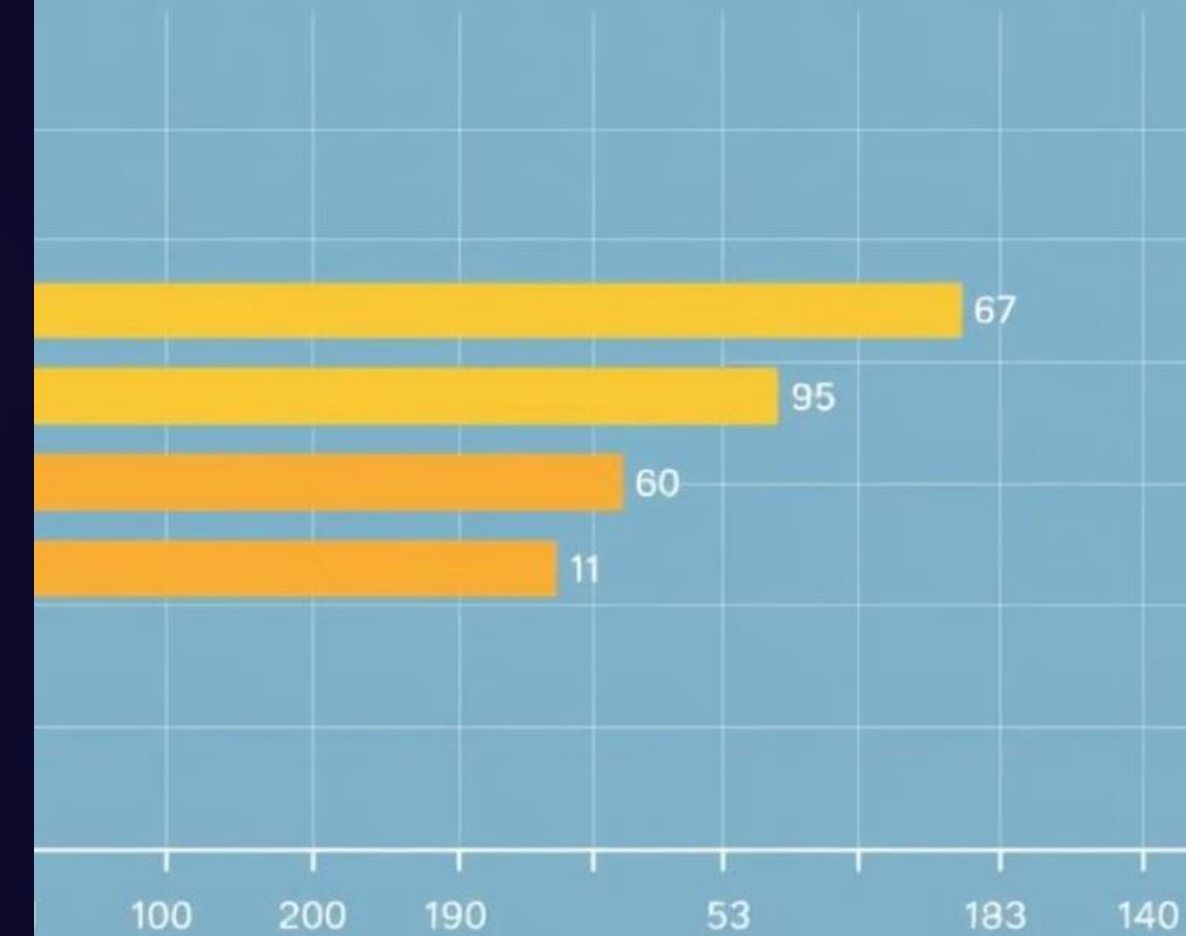
Softbot Predictions

Predicts future quiz performance based on past results.

Uses machine learning (linear regression) for predictions.

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Progress Monitoring

