**MXB2026-Sylhet-Fakibazz-Master-Moshai**

🎤 Pitch Deck

Project: Master-Moshai — The AI Learning Companion

Master–Moshai: An AI–Powered Personalized Learning Companion

Tagline: Education should not belong to a few… Education should belong to everyone.

Team: Fakibazz

All members from Software Engineering, SUST — 8th Batch

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The Problem: A Broken Education Model

One-Size-Fits-All
Traditional education often employs a uniform approach, failing to cater to individual learning styles and paces.

Lack of Personalization
Students rarely receive tailored feedback, hindering their progress and understanding of specific weaknesses.

Teacher Overload
Educators are burdened with large class sizes, making personalized attention and feedback nearly impossible.

Cost & Inaccessibility
Expensive coaching centers create barriers, excluding many deserving students from essential supplementary education.
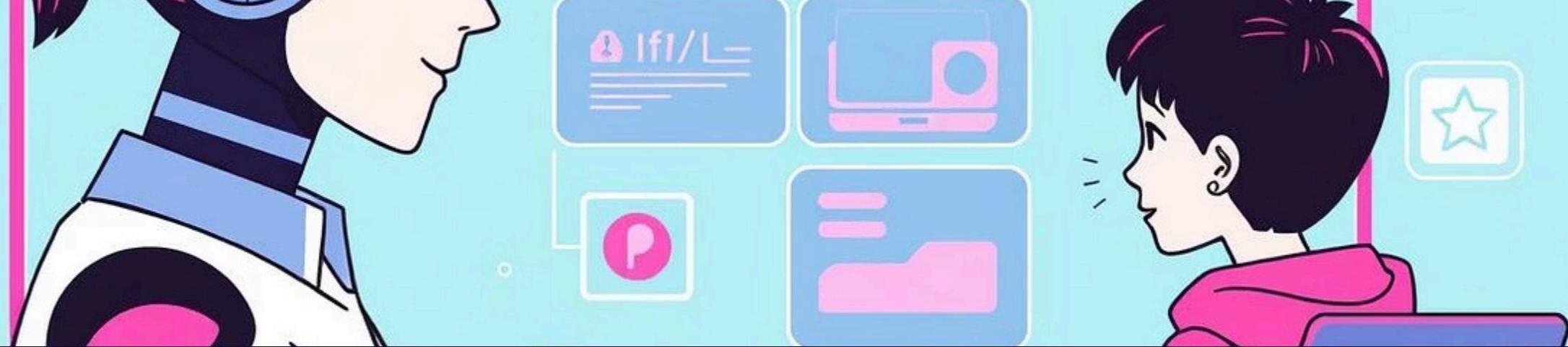
Unidentified Weaknesses
Students struggle to pinpoint their weak areas or develop effective strategies for improvement, leading to stagnation.

📌 **Result:** Poor learning outcomes and growing educational inequality.

Our Solution: Master–Moshai

An **AI-powered learning companion** that revolutionizes education by providing targeted, adaptive support.

→ **Analyzes Student Performance**
Leverages advanced AI to thoroughly evaluate student responses and progress.

→ **Identifies Weak Areas**
Precisely pinpoints specific topics or concepts where a student needs improvement.

→ **Generates Personalized Questions**
Creates custom practice questions tailored to address identified weaknesses.
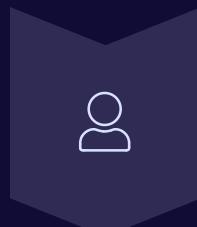
→ **Provides Actionable Feedback**
Offers clear, constructive guidance to help students understand mistakes and learn effectively.

🎯 Acts like a **24/7 personal mentor**, not just a content platform.

How It Works: The User Journey

Student Signs Up
Quick and easy registration to begin the personalized learning journey.

Diagnostic Test
Takes an initial AI-generated diagnostic test to assess current knowledge.
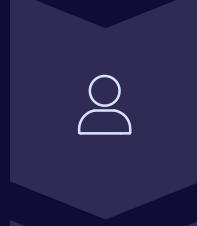
AI Analyzes Performance
The system processes test results to understand strengths and weaknesses.
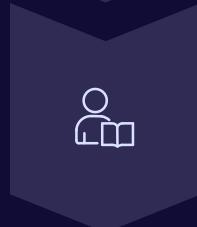
Weak Areas Identified
Master-Moshai highlights specific topics requiring more attention.

Personalized Questions & Feedback
Tailored exercises and guidance are generated for targeted improvement.
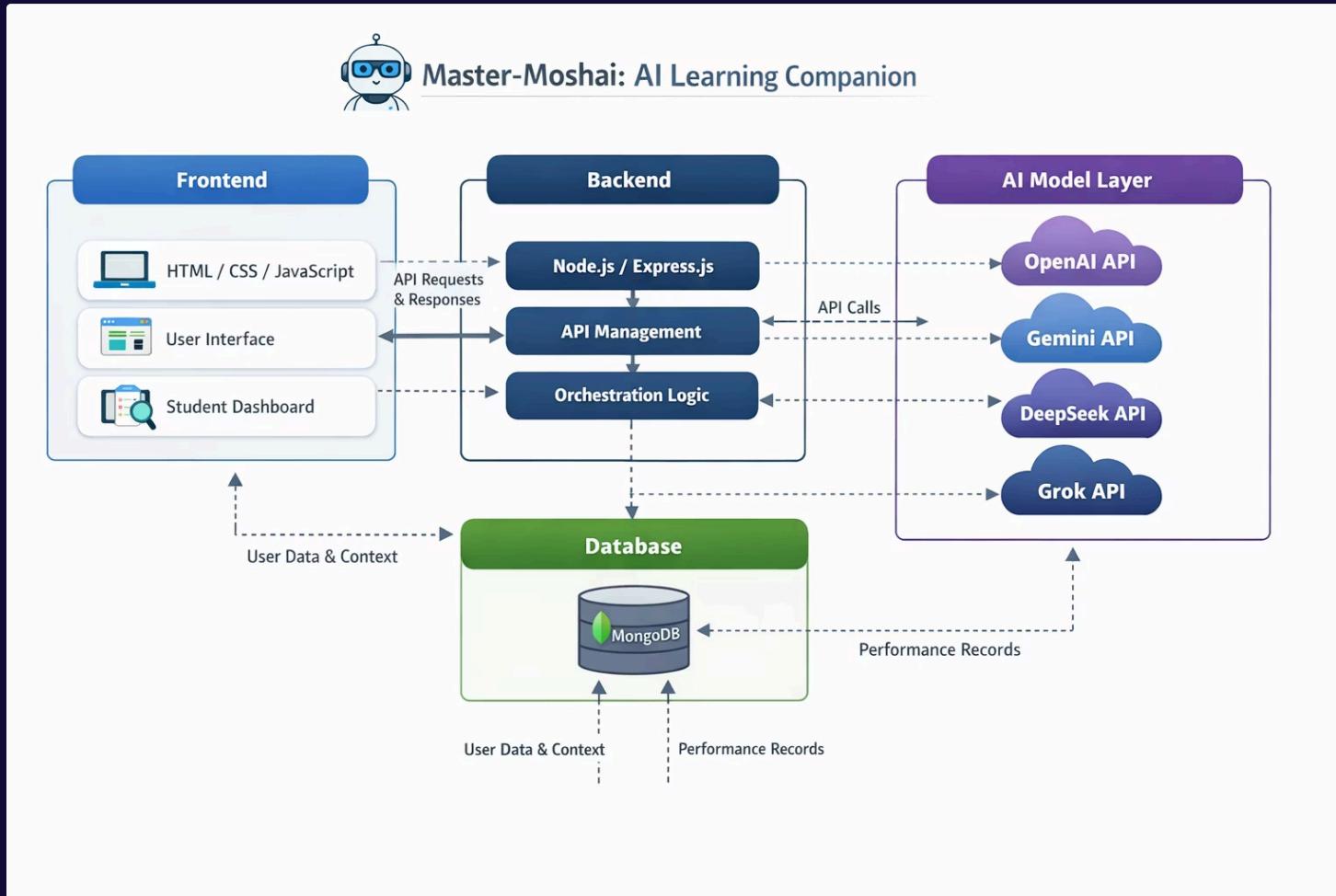
Learning Path Updates
The learning path continuously adapts as the student progresses, optimizing for mastery.

A smart feedback loop designed for continuous improvement.

System Architecture Overview

Master-Moshai: AI Learning Companion

Frontend
- HTML / CSS / JavaScript
- User Interface
- Student Dashboard

Backend
- Node.js / Express.js
- API Management
- Orchestration Logic

AI Model Layer
- OpenAI API
- Gemini API
- DeepSeek API
- Grok API

Database
- MongoDB

API Requests & Responses

API Calls

User Data & Context

Performance Records

User Data & Context

Performance Records

- **Frontend:** HTML, CSS, JavaScript (UI designed in Figma)
- **Backend:** Node.js, Express.js
- **AI Layer:** OpenAI, Gemini, DeepSeek, Grok
- **Database:** MongoDB
- **AI Technique:** RAG + Prompt Orchestration

✔️ **Multi–model AI strategy** ✔️ **Explainable reasoning** ✔️ **Scalable design**

Why Master–Moshai Matters: Impact & Vision

🎓 Educational Impact

- Delivers personalized learning experiences at an unprecedented scale.

- Significantly improves students' conceptual understanding and retention.

- Reduces reliance on expensive coaching centers, democratizing access to quality education.

🌍 Social Impact

- Makes high-quality education accessible to underprivileged students, bridging educational gaps.

- Supports both rural and urban learners equally, fostering inclusive growth.

- Empowers students from all backgrounds to achieve their academic potential.

Scalability & Growth Potential

Subject-Agnostic System

Designed to adapt to any subject, from humanities to sciences, ensuring broad applicability.

Broad Curricula Support

Currently supports SSC, HSC, and Admission preparation, with easy expansion to new areas.
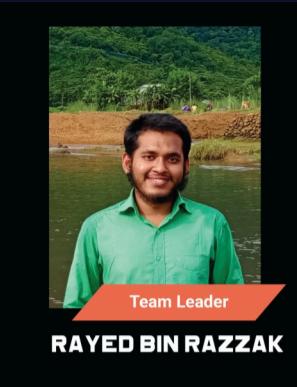
Expansion Opportunities

Can seamlessly expand into university-level courses, professional training, and global curricula.
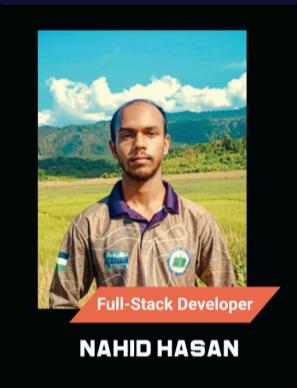
🌱 AI makes it scalable without increasing cost, enabling exponential growth and impact.

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👥 Our Expert Team

*Rayed Bin Razzak* — Team Leader, UI architect, and API developer.

Team Leader
RAYED BIN RAZZAK

Nahid Hasan — Full-Stack Developer, turning ideas into real, working systems.

Full-Stack Developer
NAHID HASAN

Saleh Sabit — Education Domain Expert, ensuring the solution truly fits the needs of students.

Education Domain Expert
SALEH SABIT

Fatiha Tasnim Upoma — Script Writer, shaping our story and message.

Script Writer
FATIHA TASNIM UPOMA

Ankit Chowdhury — Video Editor, bringing our vision to life on screen.

Video Editor
ANKIT CHOWDHURY

All from: Software Engineering (SWE), SUST — 23rd Batch

Together, we are Team Fakibazz, building the future of digital education with Master Moshai

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Vision: Education for All

To make personalized education accessible to every student, regardless of background.

Master-Moshai is not just a project — it's a step toward smarter education with AI.

🙏 Thank You