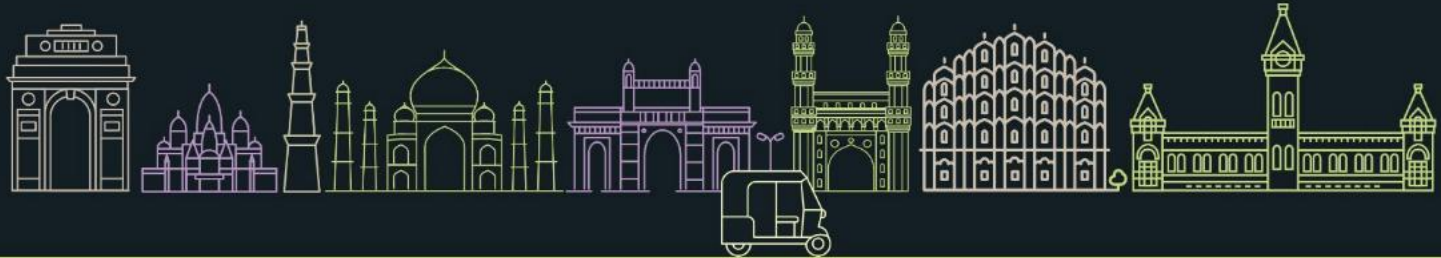


AI for Bharat Hackathon

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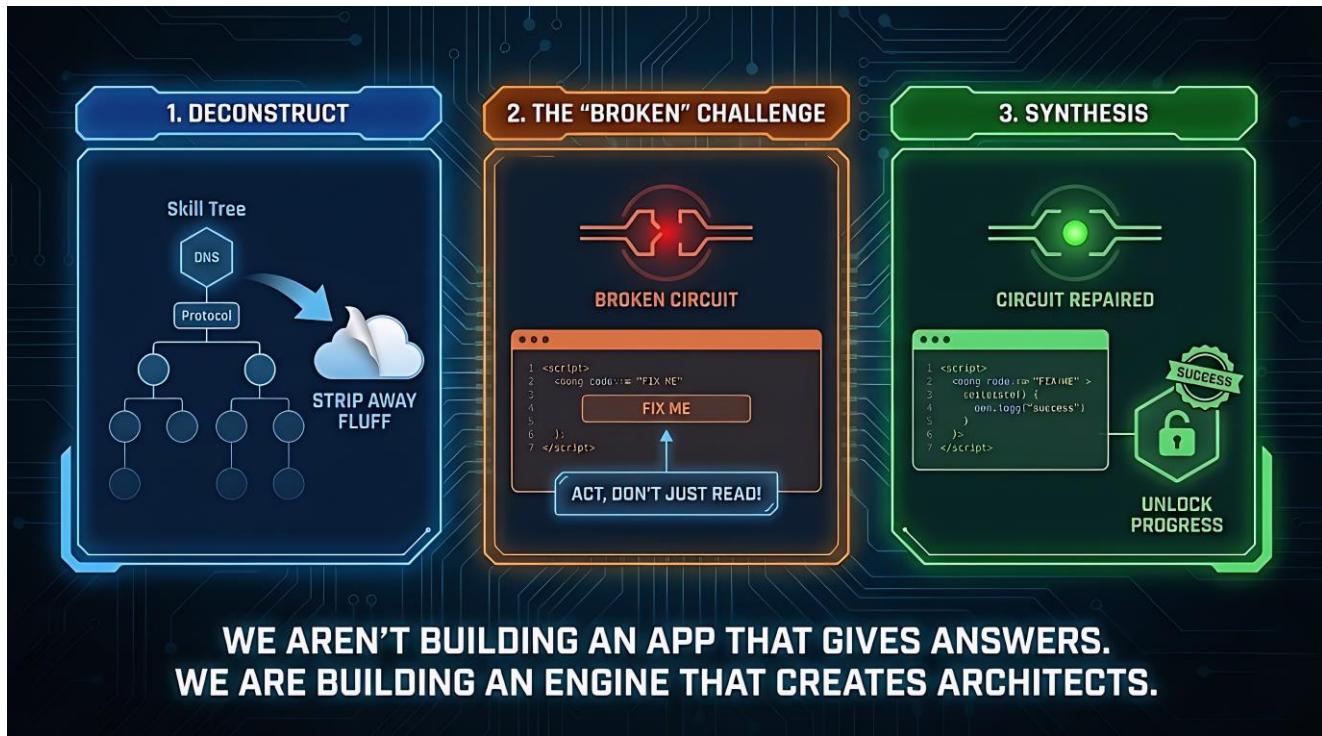


Team Name : Anonymous Axis

Team Leader Name : Anumitra Saha

Problem Statement : Build an AI-powered solution that helps people learn faster, work smarter, or become more productive while building or understanding technology.

Our Solution: Anvaya



Kill the "Illusion of Competence"; mastering the method, not just the subject.

THE PASSIVE READER 🧊 (The Frozen Mind)





- **The "Spectator" Mode:** Watches the information go by like a movie; forgets 70% of it by tomorrow.
- **Linear Rut:** Trapped in a "highlighting loop"—coloring pages but not changing the brain.
- **False Confidence:** Mistaking familiarity for mastery. They know where the info is, but not what it means.
- **Dead-End Data:** Information is stored as a static file, never to be opened again.

THE ACTIVE MASTER 🔥 (The Engine)

- **The "Inquisitor" Mode:** Attacks the text. They ask "How?" and "Why?" before the author can answer.
- **Neural Sculpting:** Uses Active Recall—pulling info out of the brain to forge permanent connections.
- **The Bridge Builder:** Connects new data to what they already know, creating a web of intelligence, not just a list of facts.
- **Actionable Wisdom:** Information isn't just stored; it's deployed. They learn to solve, not just to show.

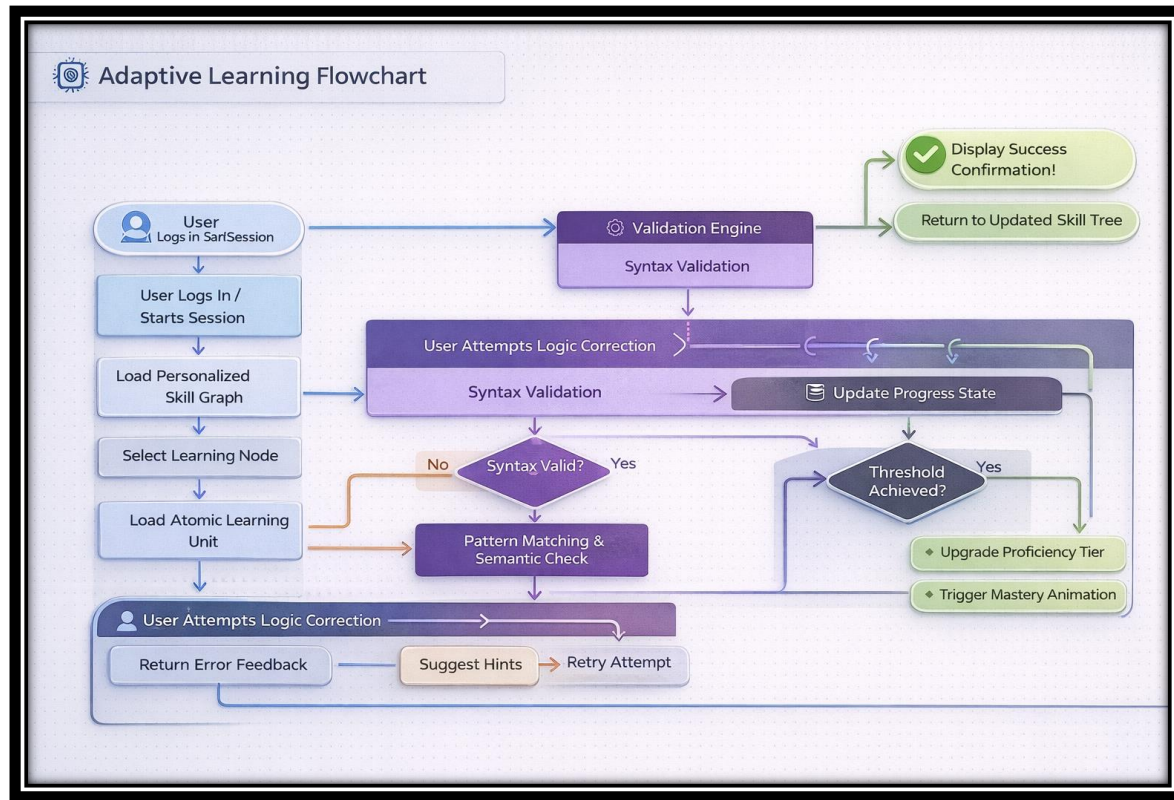


Features of Anvaya:

Key Features	
	Diagnostic Exam <ul style="list-style-type: none">• Personalized starting point; no boredom.• Data-driven placement logic.
	Subject Agnostic <ul style="list-style-type: none">• One app for every school/college subject.• Scalable JSON-based curriculum.
	Proficiency Tiers <ul style="list-style-type: none">• App grows <i>with</i> the student's skill.• Adaptive UI state management.
	Universal Credits <ul style="list-style-type: none">• Pay-as-you-go; total cost control.• Secure balance syncing via AWS.

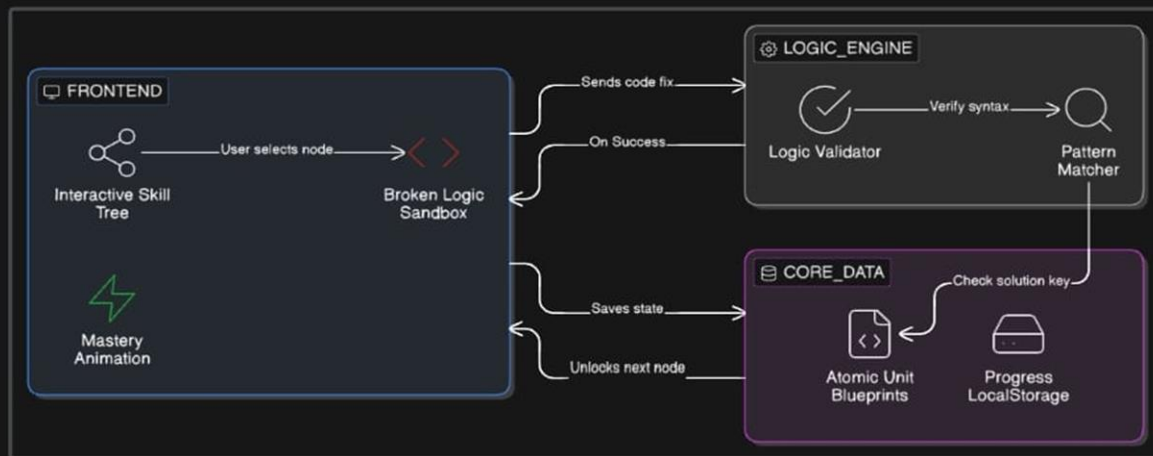
~We don't lock you into a subject; we unlock your ability to think.

Flow Diagram Overview:



System Architecture Overview:

Architecture Diagram



The Technologies Used in Avnaya:

~Engineered for zero latency and infinite reach

Frontend & UI (The Visual Layer):

- React.js: For building a dynamic, component-based “Logic Circuit” interface.
- Tailwind CSS: To ensure a high-performance, responsive dark-mode UI.
- Lucide React: A lightweight library for clean, professional technical icons.

Logic & Verification (The Intelligence Layer)

- JavaScript (ES6+): The core engine for instant, client-side logic processing.
- Regex (Regular Expressions): Our deterministic pattern-matching system for zero-hallucination validation.
- Prism.js: For high-fidelity code syntax highlighting in the “Broken Sandbox.”

Data & Storage (The Infrastructure Layer):

- JSON (Data Objects): A lightweight, static database for our technical “Dependency Graph.”
- Browser LocalStorage: For persistent user progress with zero backend costs.
- Vercel/GitHub Pages: For ultra-fast, global deployment via Edge networks.

Estimated implementation cost For Avnaya:

"Zero-Burn" Implementation Strategy

Maximum Impact, Minimal Overhead.

\$0.00

"We aren't just building solution; we are building an infrastructure-independent ecosystem."

Vanishing Cost



Category	Logic Execution	Cost	Why?
Compute	Logic Program	\$0	✚
Storage	Runs entirely on the user (Client-side).	\$0	✚
Storage	Stored locally via Browser (online LocalStorage API).		
API Costs	Validation Engine	\$0	✚
	Deterministic Regex matching; no expensive LLM tokens.		
Hosting	Deployed on GitHub Pages or Vercel	(Free Tiers)	
Web Deployment	Data Objects	\$0	✚
Curriculum	Static JSON blueprints bundled with the app		





Scalability Potential

Because our operational cost is decoupled from the number of users, we can scale to millions in millions in students across with increase in cloud expenditure.

- No Server Maintenance: No backend servers mean no downtime and no DevOps overhead.
- Offline-Ready: Can be converted to PWA (Progressive Web App) for use in rural areas connectivity.

Subscription Packages For Avnaya Users:

Subscription Plans			
Plans	Best For	Monthly Credits	Price (INR)
 Explorer (Free)	Casual Learners	50 Credits	0/-
 Scholar (Intermediate)	Daily Mastery	1200 Credits	149/-
 Architect (Pro)	Power Users	Unlimited	299/-

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Thank You

