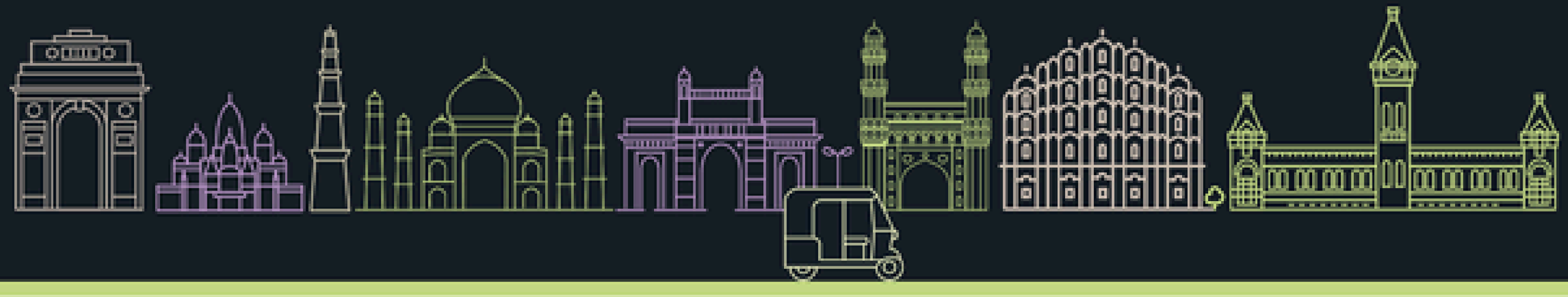
Innovation partner H2S

Media partner YOURSTORY

AI for Bharat Hackathon

Powered by aws



Team Name : ClarityPath AI

Team Leader Name : Vansh Gupta

Problem Statement : AI for Learning & Developer Productivity

BRIEF ABOUT THE IDEA:

Concept: ClarityPath AI is an intelligent Career GPS that layers on top of free internet content. We stop students from "collecting certificates" and start them building careers through active, verified execution.

Core Value Proposition:

No Video Hosting

We don't sell courses. We curate the world's best free resources (YouTube, Docs) to zero-cost learning.

No "Certificate Collecting"

We validate skills. Our AI acts as a TA, grading Proof-of-Work code, not multiple-choice quizzes.

From Confusion → Clarity

Visual Roadmaps: We turn vague goals ("I want a job") into dynamic Skill Trees (just like a game).

From Watching → Doing

Active Execution: We replace passive "tutorial watching" with daily, AI-Verified Micro-Tasks.

Your solution should be able to explain the following:

1. **How different is it from any of the other existing ideas?**
   - Most platforms focus on courses, videos, and certificates.
   - ClarityPath AI focuses on guidance, decision-making, and outcomes.
   - We do not host content; we structure and validate learning using free resources.
   - Unlike chatbots, ClarityPath AI acts as a mentor and validator, not an answer generator.

2. **How will it be able to solve the problem?**
   - Converts vague goals into clear, personalized skill roadmaps.
   - Breaks each roadmap step into small, practical micro-tasks.
   - Guides students to the right free resources at the right time.
   - Uses AI to verify real work, ensuring skills are actually built.
   - Maps progress directly to job-readiness outcomes, not certificates.

3. **USP of the proposed solution**
   - Skill → Roadmap → Outcome visualization
   - No video hosting, no certificate dependency
   - AI-verified proof-of-work instead of passive learning
   - Designed for Tier-2 and Tier-3 Indian students
   - Lightweight, free, and scalable “guidance layer” model

List of features offered by the solution

01. AI Goal Parser

- Converts vague goals like “learn codingi” into clear skill tracks
- Suggests paths (Frontend, Backend, Data, etc.) based on user background

02. Personaliz-ed Visual Skill Roadmap

- Generates a dynamic, visual skill roadmap
- Shows what to learn, in what order, and why
- Skips already-known basics to avoid repetition

03. Curated Free Learning Resources

- Recommends the best free YouTube videos and official documentation
- Each resource is linked with a clear learning purpose
- Resources are suggested only when needed, not dumped as links

04. Daily Micro-Tasks (Active Learning)

- Breaks each skill into small, practical tasks
- Focus on doing and building, not just watching
- Tasks are contextual and job-relevant

05. AI Proof-of-Work Validation

- Students submit code, screenshots, or GitHub links
- AI checks whether task requirements are met
- Provides feedback and hints instead of direct answers

06. Gamified Progress Tracking

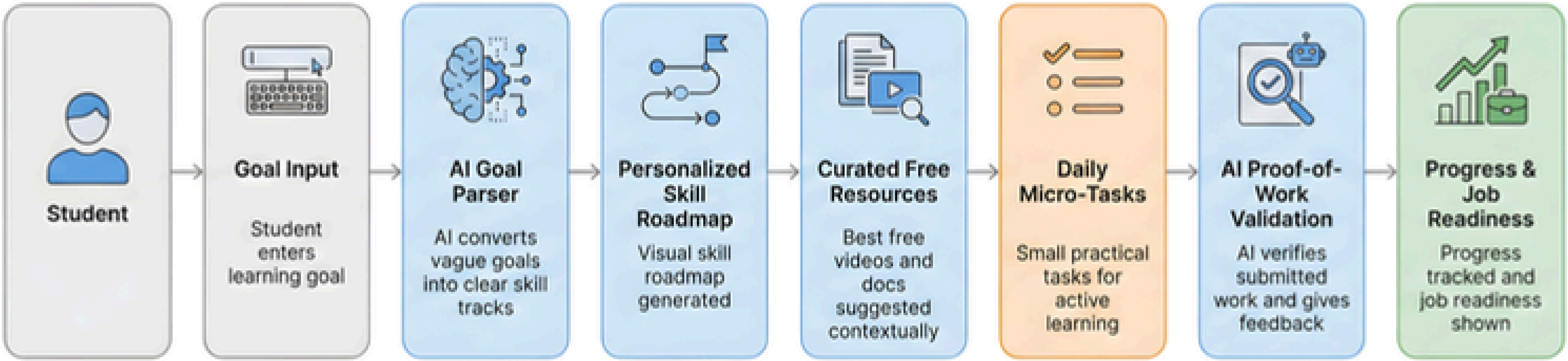
- XP points, streaks, and milestone unlocks
- No negative marking, encourages consistency
- Supports streak protection to reduce dropouts

07. Job Readiness & Outcome Mapping

- Shows what opportunities a student is ready for
- Maps progress to internships, freelancing, or entry-level jobs
- Focuses on real outcomes, not certificates

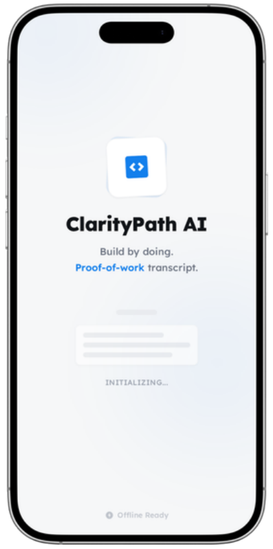
Process flow diagram or Use-case diagram

Add a flow diagram or a use case diagram or an architecture diagram.

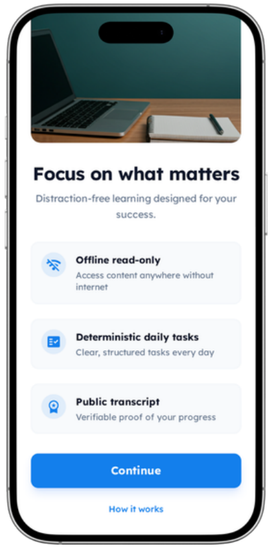


Wireframes/Mock diagrams of the proposed solution (optional)

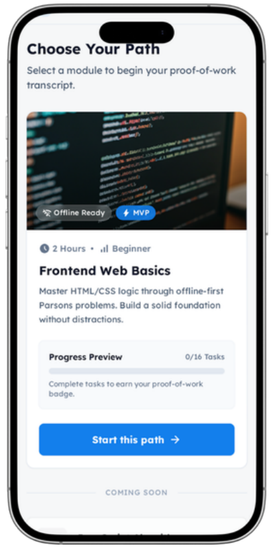
Welcome



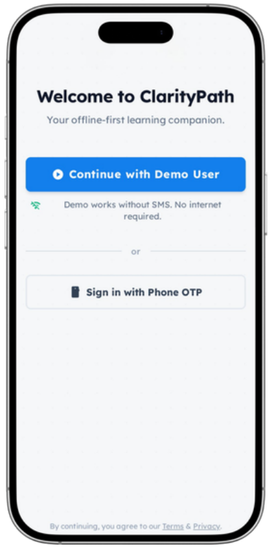
Welcome



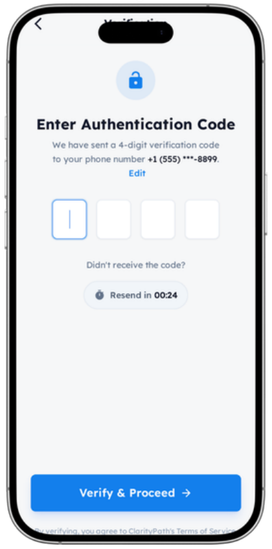
Welcome



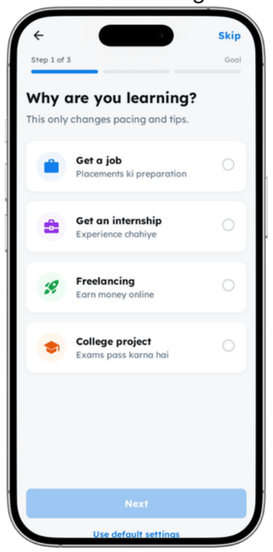
Login



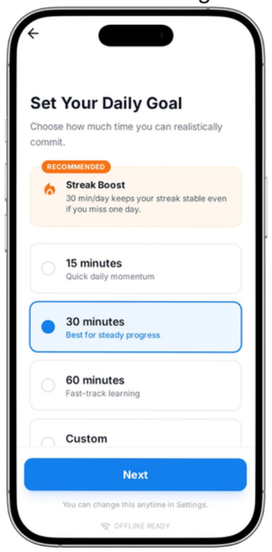
Login



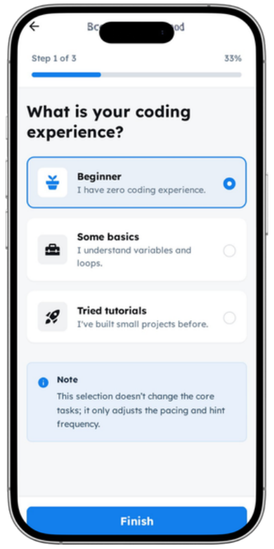
Personalizing



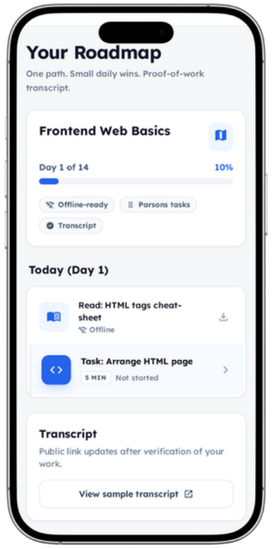
Personalizing



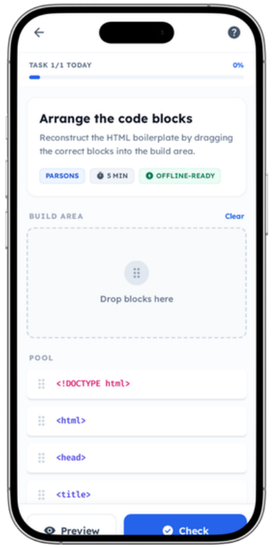
Personalizing



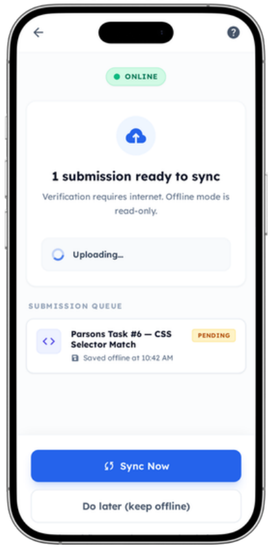
Roadmap



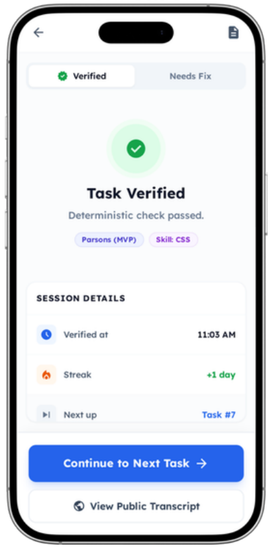
Task/Practice



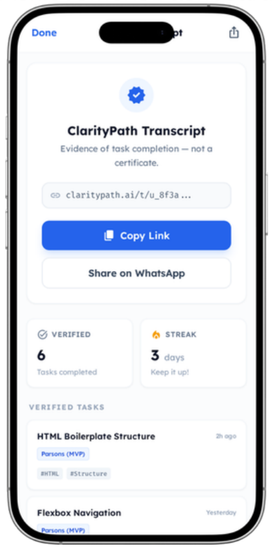
Submission



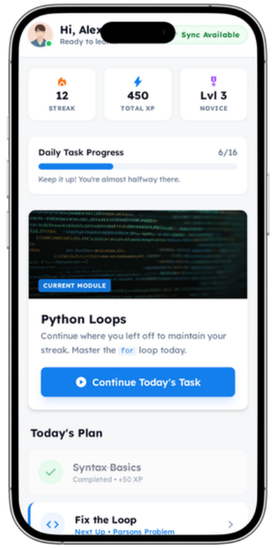
Verification



Achievement/Dashboard

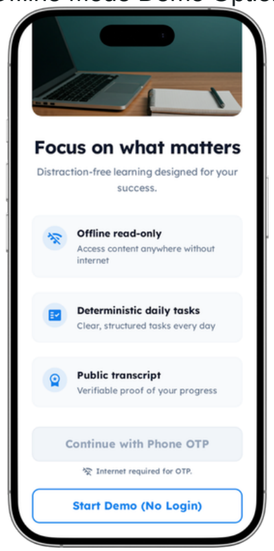


Dashboard

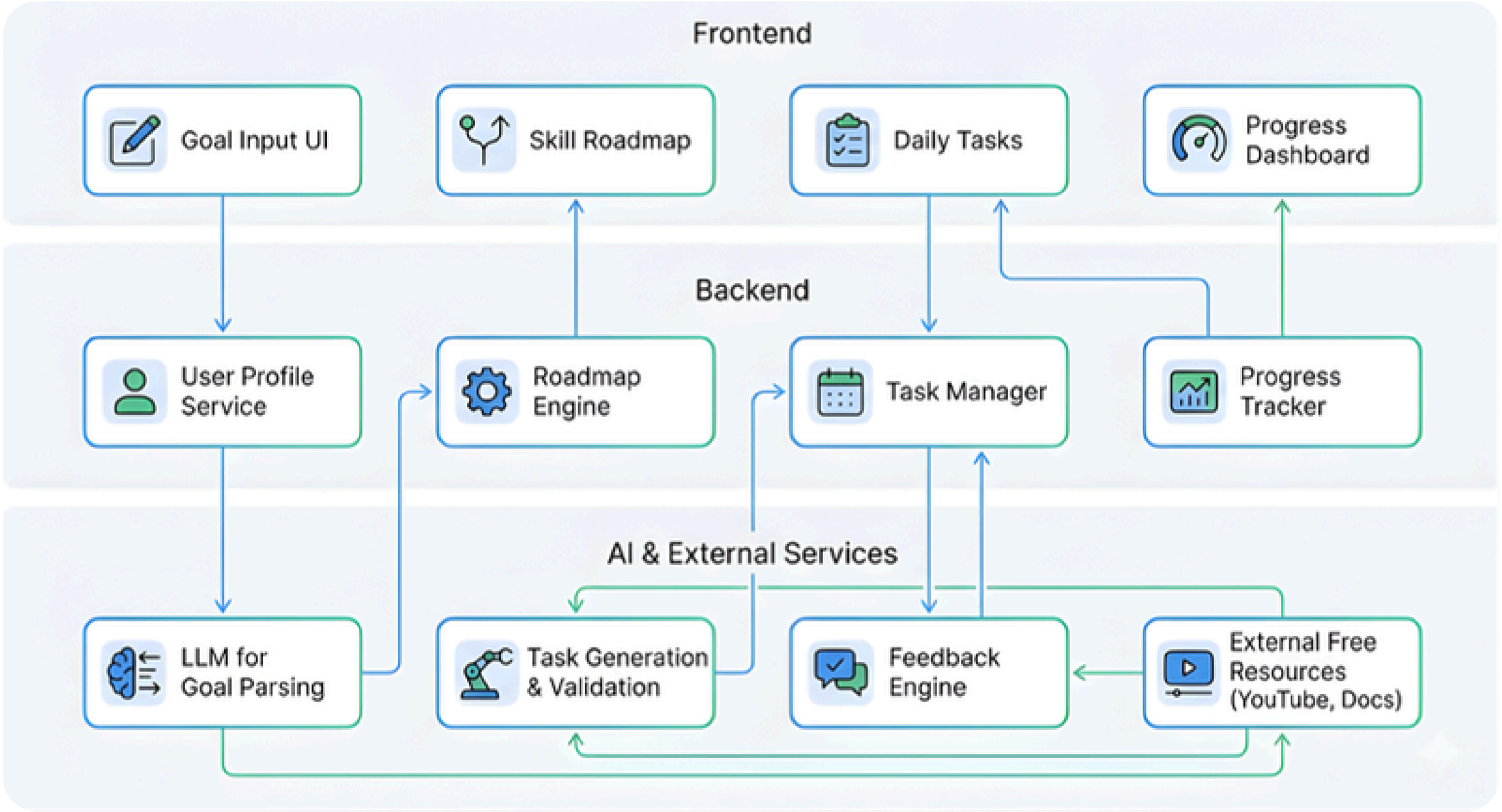


Also Login as Demo

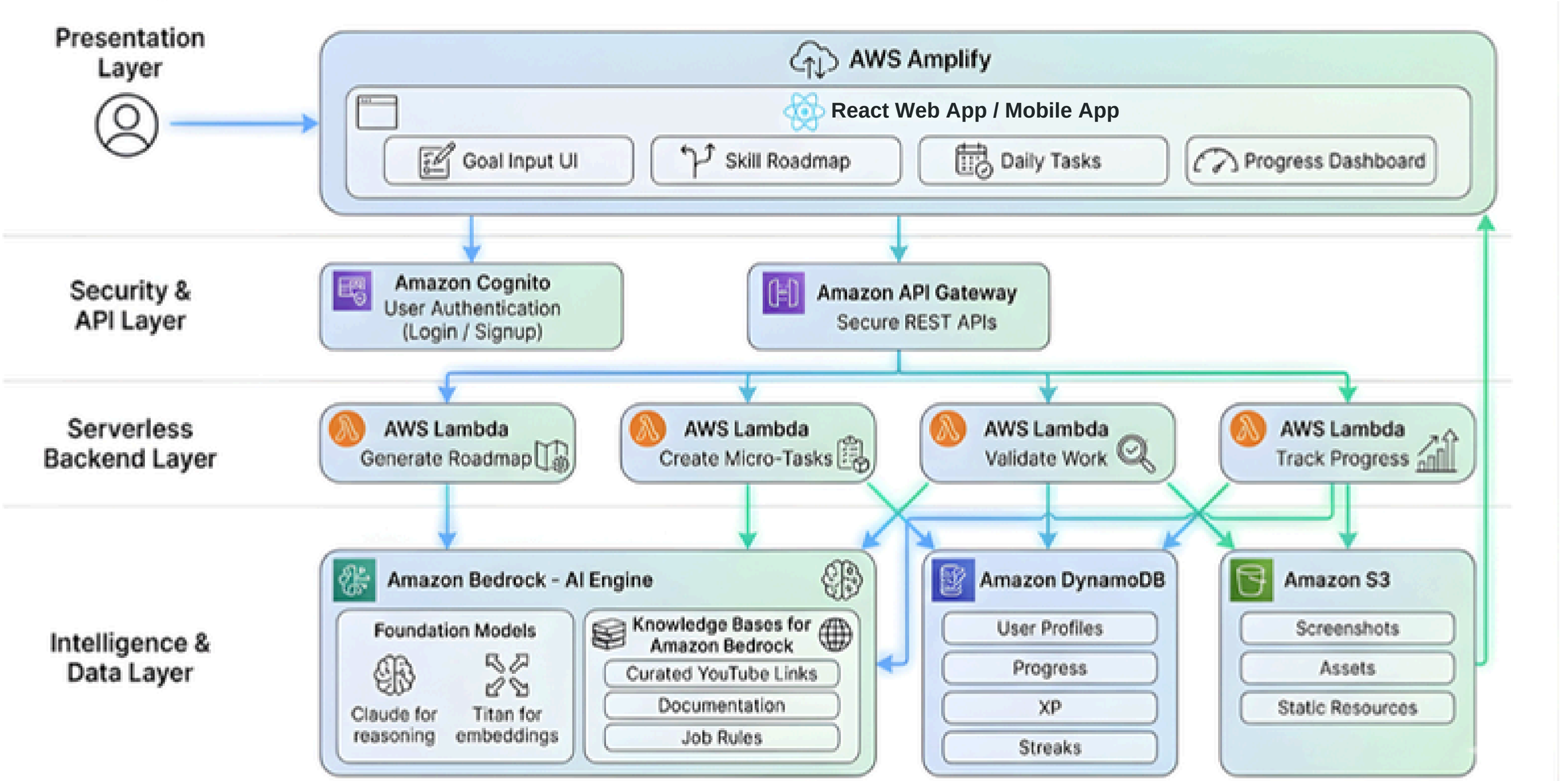
Offline Mode Demo Option



Architecture diagram of the proposed solution:



Technologies to be used in the solution:



Estimated Monthly Running Cost (MVP)

₹50 – ₹200 / month

For 100 Active Students

Typical pilot: ~₹90 / month (~$1.10 USD)

Monthly Cost Breakdown

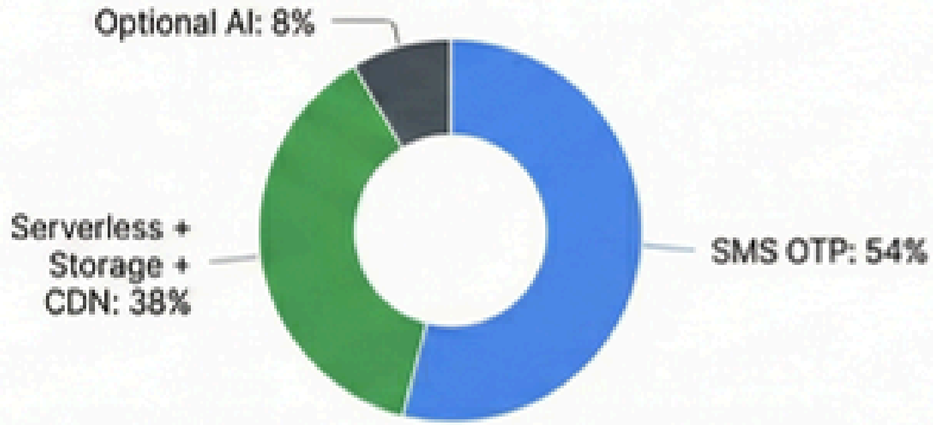
AWS Service	Cost / Month
Lambda + API Gateway	₹10 (~$0.12)
DynamoDB + S3	₹15 (~$0.18)
CloudFront (CDN) (Optional)	₹10 (~$0.12)
SMS OTP (Variable)	₹50 (~$0.60)
Bedrock AI (Optional)	₹8 (~$0.09)

Serverless + pay-per-use. OTP cost varies by volume/pricing.

Key Cost Insights

- Core infra is near-zero at pilot scale (serverless + free tier effects)
- Biggest variable cost is SMS OTP authentication
- AI is optional and used only for milestone validations
- Demo is safe: app works with cached content even if AI is off

Where the money goes (Typical)



Traditional Bootcamp: ₹50,000 – ₹2,00,000 / student

ClarityPath AI: ~₹0.90 / student / month (pilot)

Assumes 100 students, 2 OTP logins/user/month, 2 AI milestone validations/user/month, ap-south-1 (Mumbai).

Add as per the requirements for the hackathon:

Business Viability & Future Roadmap

Business Model

- **Primary (B2B – Future Phase):** Reverse hiring access to verified job-ready candidates
- **Secondary (Freemium):** Core learning free, optional premium AI mentorship at low cost

Impact on Bharat

- Designed for Tier-2 & Tier-3 students
- Removes dependency on expensive bootcamps
- Future multilingual support (Hindi, Tamil, Telugu)

Future Scope

- Mobile app with offline-first learning
- AI-powered mock interviews using voice and LLMs

Innovation partner H2S | Media partner YOURSTORY

AI for Bharat Hackathon

Powered by aws

Thank You