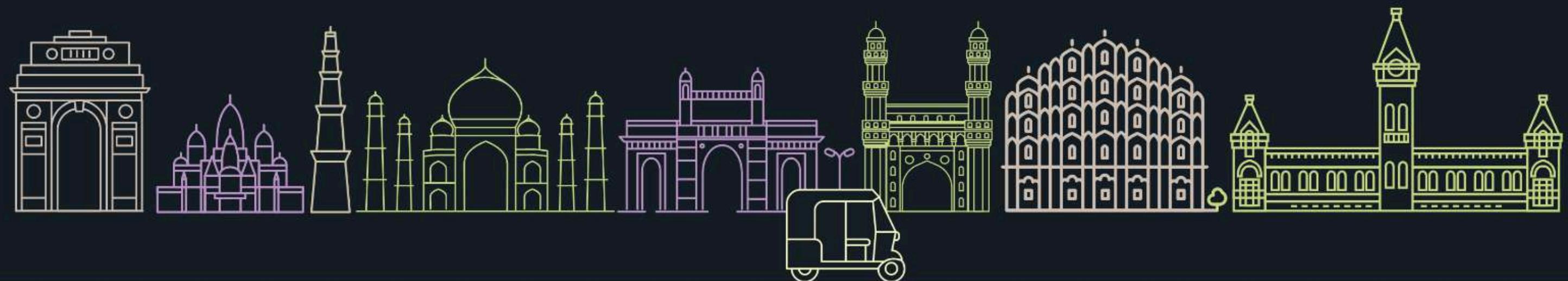


AI for Bharat Hackathon

Powered by **aws**



TEAM NAME : DIVAS OF AI

TEAM LEADER NAME : AKSHAYA M

**PROBLEM STATEMENT : AI FOR LEARNING & DEVELOPER
PRODUCTIVITY**





NEXURA

FROM LEARNING TO EARNING

💡 Problem (Ground Reality)

- ✓ **60% of Indian** graduates are not job-ready
- ✓ Students lack personalized career guidance
- ✓ **Random YouTube learning** →  
- ✓ Language barrier for Tier-2/3 students  
- ✓ No measurable "employability score"

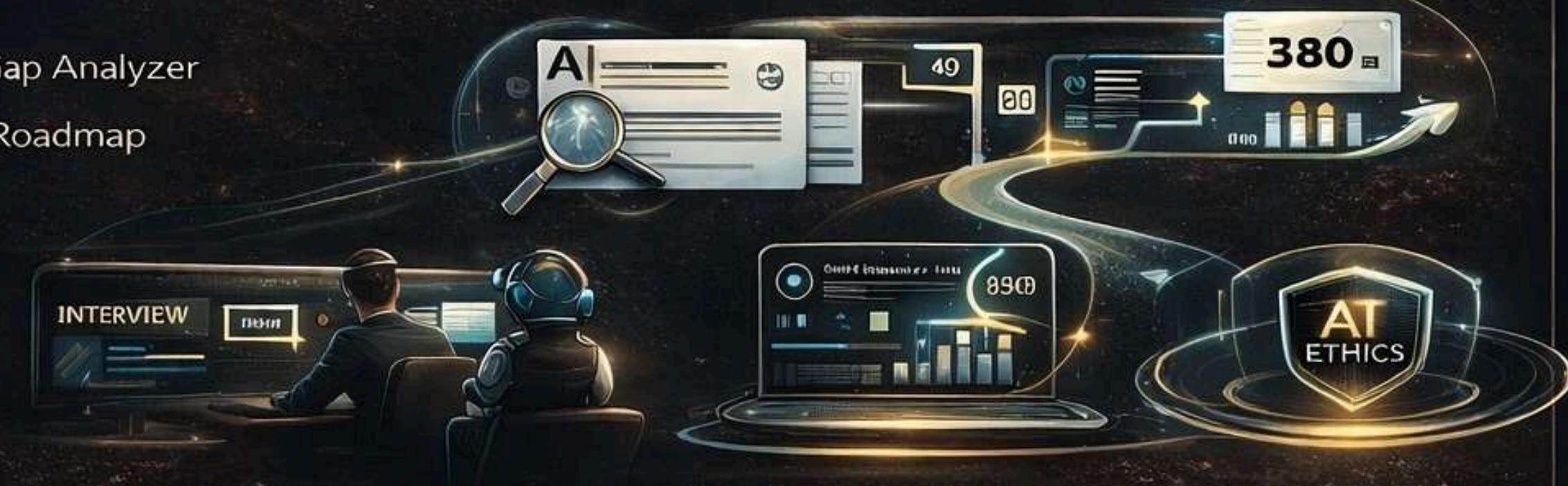
🌐 Real-World Example

- ✓ A final-year CSE student wants to become a Cloud Engineer
- ✓ Doesn't know required AWS skills
- ✓ Watches random tutorials
- ✓ Fails 2-3 interviews due to skill gaps
- ✓ No mentor to guide improvement



💡 Our Solution – Nexura

- ✓ AI **Resume** + Job Description Skill Gap Analyzer
- ✓ Personalized 30/60-Day Adaptive Roadmap
- ✓ Voice-Based AI Mock Interviews
- ✓ Emotion & Confidence Feedback
- ✓ Real-Time Code Debug Explainer
- ✓ Employability Index Score Tracker
- ✓ Responsible AI Bias Monitoring





NEXURA

DIFFERENTIATION | SOLUTION | USP

★ How Different NEXURA is from Existing Solutions?

- End-to-End Career Acceleration
(Not just courses/Interviews)
- Multilingual AI (Hindi + Regional Support)
- Performance-Based Adaptive Roadmap
- Emotion & Confidence-Aware Interview AI
- Dynamic Employability Index (Measurable Job Readiness)



Real-World Use Case

- Uploads Resume + AWS JD
- Skill Gaps Identified (IAM, EC2, VPC)
- Personalized AWS Roadmap Generated
- Mock Interview Performance Improves 52% → 81%
- Successfully Clears Placement



How Nexura Solves the Problem

- Resume + JD → AI Skill Gap Detection
- Personalized 30/60-Day Structured Roadmap
- Daily Adaptive Learning + Practice
- Realistic AI Mock Interviews with Feedback
- Continuous Employability Score Tracking



★ USP of Nexura

- Resume → Skill Gap → Learning → Interview → Score
- Multilingual + Inclusive AI
- Emotion Aware & Bias-Checked Evaluation
- Government Skill Alignment
- Measurable Career Growth Engine





NEXURA KEY FEATURES

AI Skill Gap Analyzer



Resume + Job Description comparison
Identifies missing technical & soft skills

Adaptive Learning Engine



Personalized 30/60-day roadmap
Adjusts based on performance

Multilingual Code Debug Explainer



Explains errors in Hindi + regional languages
Simplifies complex technical concepts

Emotion-Aware AI Mock Interview



Voice-based simulation
Confidence & communication analysis

Employability Index Dashboard



Real-time job readiness score
Tracks Improvement over time

Responsible AI Bias Monitor



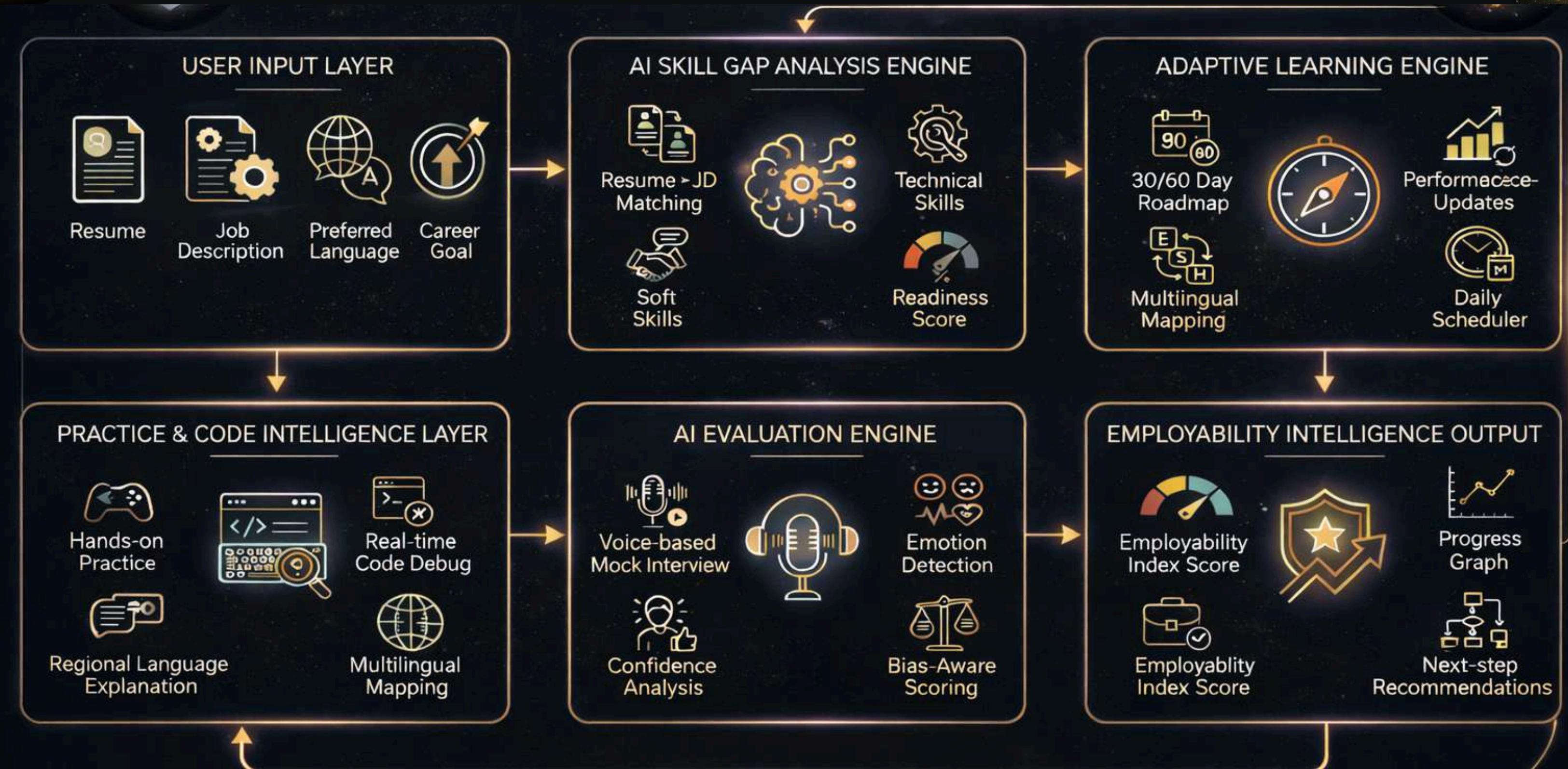
Fair evaluation system
Transparent scoring logic



NEXURA

PROCESS FLOW DIAGRAM

END-TO-END CAREER ACCELERATION SYSTEM





AI Mock Interview

Question

 Record Answer

AI Feedback

AI feedback will appear here based on your recorded answer.

Score

7.5/10

Dashboard

Career Readiness Score: 62%

Skill Gaps

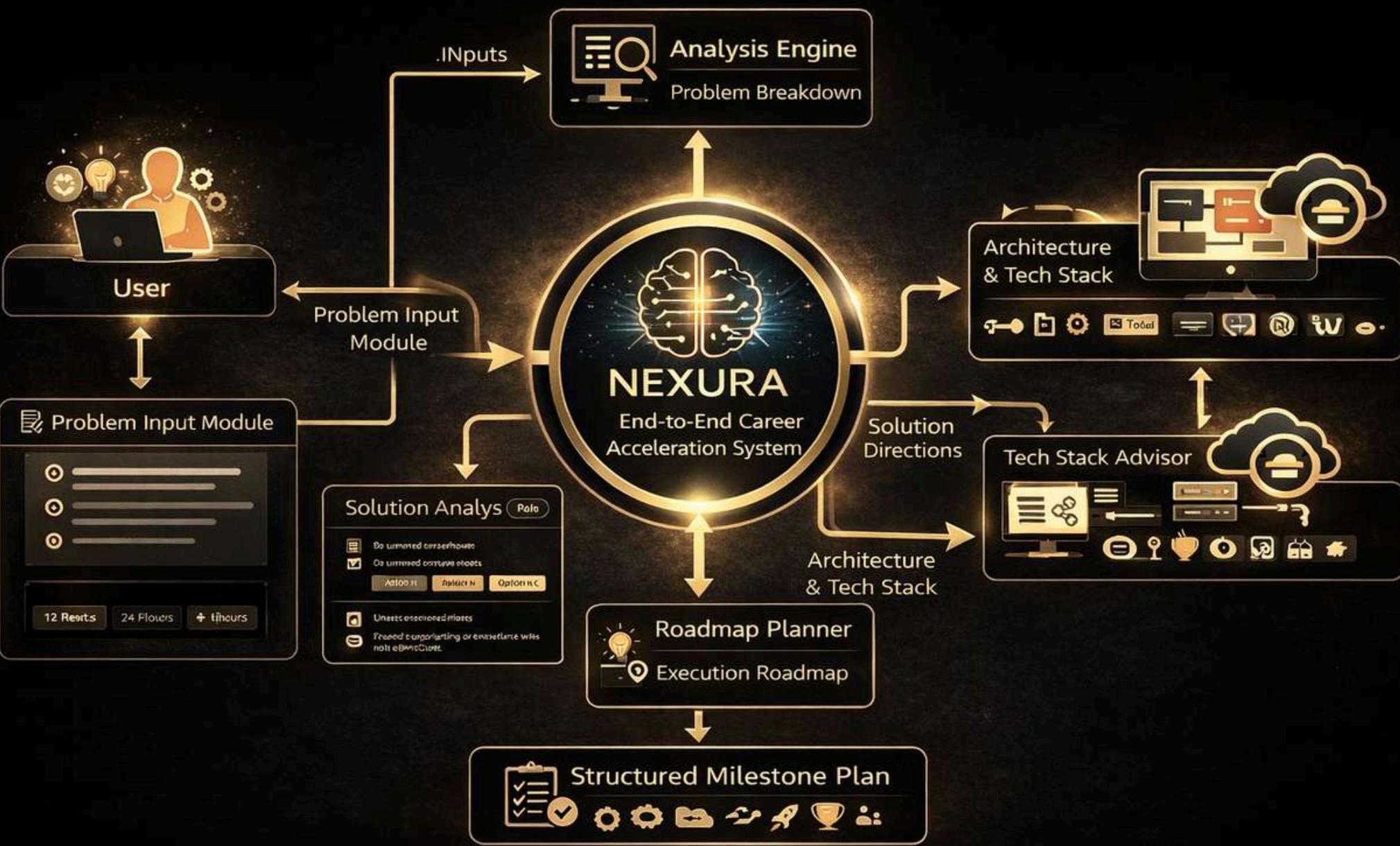
- AWS Lambda, DynamoDB
- DynamoDB

Recommended Roadmap Timeline

Week 1 AWS Lambda	Week 2 DynamoDB	Week 3 Project	Week 4 Review
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NEXURA

WIREFRAMES/MOCK DIAGRAMS



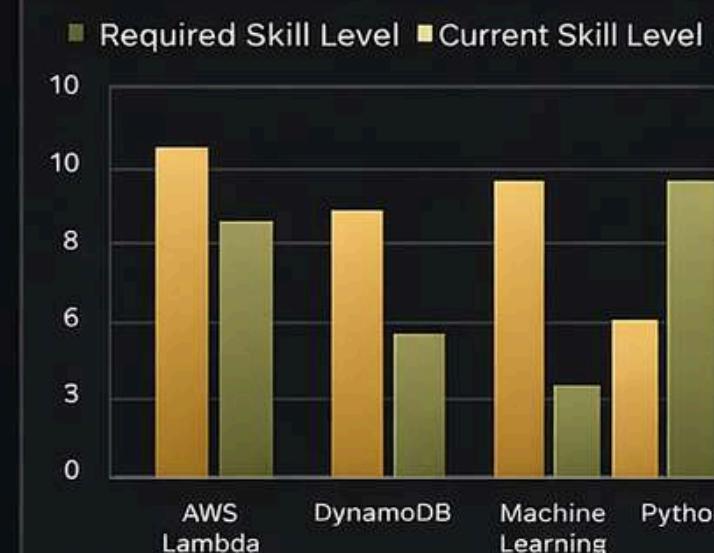
Skill Assessment

Multiple Choice Question

Which of the following is a serverless computing service?

- A. AWS Lambda
- B. EC2
- C. RDS
- D. Kinesis

Skill Gap Visualization





NEXURA

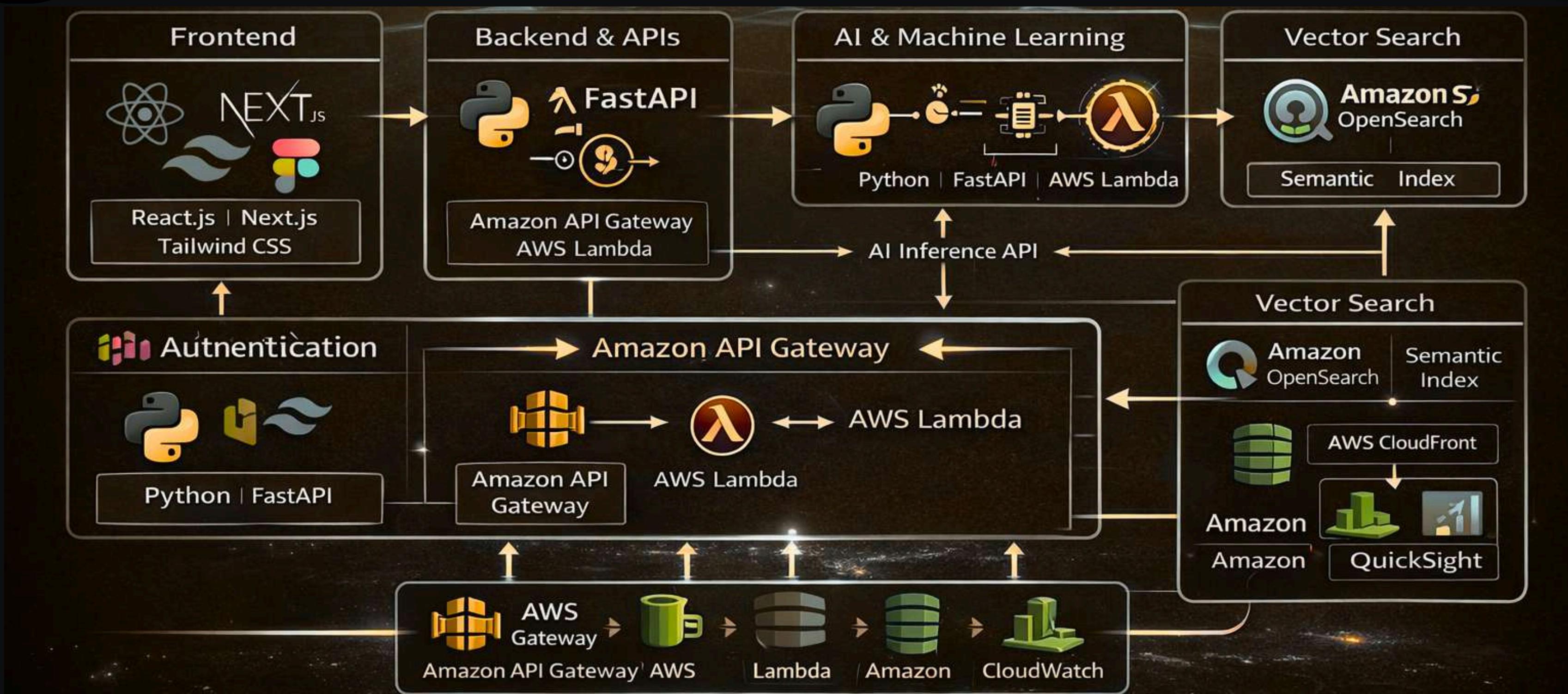
ARCHITECTURE DIAGRAM





NEXURA

TECHNOLOGIES USED



SERVERLESS & SCALABLE ON AWS



NEXURA

IMPLEMENTATION COST

Cloud Infrastructure

- Object Storage (S3 / similar)
 - ₹2 – ₹5 per GB/month
 - e.g, 50 GB = ₹100 – ₹250/month
- Compute / Serverless (Lambda / Functions)
 - ₹0 to ₹500+
 - (largely free within free tiers for low call volumes)
 - = ₹3.50 per million requests
 - = ₹200/month
- Database (DynamoDB / NoSQL)
 - ₹0 – ₹1,000/month
- CDN (CloudFront)
 - = ₹0 – ₹1,500/month

- These are "estimated operational costs" for running Nexura on serverless cloud services. If hosted on dedicated servers or private cloud, costs could vary significantly.

AI & LLM Usage

- Generative AI calls (LLM inference)
 - ₹500 – ₹2,000/month
- Based on moderate usage (~100 daily interactions)

Monitoring & Logging

- CloudWatch / Monitoring tools
- ₹100 – ₹500/month

Typical Combined Monthly Cost

Tier	Estimated Monthly Spend
• Basic (Minimum Usage)	- ₹500 – ₹1,500
• Moderate (Active Project)	- ₹1,500 – ₹4,000
• Growth Stage (Higher Traffic)	- ₹4,000 – ₹8,000+

Innovation partner



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Thank You

