# ****Features****

## **Dashboard (Roadmap Overview)**

* **List of Roadmaps with Metadata**  
  Display all saved/generated roadmaps with:
  + Custom name (e.g., "Backend Mastery – Fast Track")
  + Overall progress (% of completed nodes or courses)
  + Overall deadline / ETA to completion
  + Progress heatmap or visual indicator (e.g., red if behind schedule)
* **Deadline & Milestone Display per Node (Nice-to-have)**  
  Each roadmap node (skill/course/unit) should show:
  + Suggested or user-defined deadline
  + Dependencies (visualize what must be completed before what)
  + Progress & completion status
  + Estimated time to complete
* **Notifications & Deadline Handling (Nice-to-have)**
  + Notify users of upcoming or missed deadlines
  + Ask users whether to re-adjust the roadmap if they fall behind or complete ahead

## **Profile & Personalization**

* **Learning History Integration**
  + Allow import or API sync with third-party platforms (Coursera, Udemy, Salesforce Trailhead, internal LMS, etc.)
  + Parse course history, certifications, quiz results, etc.
  + Auto-assess skill levels based on imported data
* **Assess from Profile (AI Feature)**
  + Use AI to infer skill levels from:
    - Profile details (job, self-description, linked resume) (option A)
    - Completed roadmaps or modules (option A)
    - Past course grades / completion times (option A)
    - For transparency and fallback, allow users to manually check off known skills, especially when AI confidence is low (option B)
  + Show a summary: estimated level per skill category (e.g., "Intermediate in SQL", "Advanced in Communication")

## **Chat Room (Course Q&A, not Planning)**

* **Roadmap-Linked Chat**
  + Each roadmap has its own chat space
  + Purpose: asking questions or discussing content of roadmap modules (not editing the roadmap itself)
  + AI assistant can help clarify concepts or suggest external resources related to a node

## **Roadmap Update Based on Real-World Progress**

* **Grade & Time Tracking from Learning Platforms**
  + For courses completed externally (e.g., from synced LMS or manually entered):
    - Parse completion grade and time spent
    - AI evaluates whether the roadmap node should be marked complete or adjusted
  + **Important**: Ask user to confirm before updating the roadmap with inferred progress

## **Outcome Prediction**

* **Estimated Career Impact Display**
  + Based on roadmap goal and current profile, output:
    - Expected salary range improvement (based on mock/synthetic labor market data)
    - Job role eligibility (e.g., “You may qualify for Junior Data Analyst”)
    - Other potential outcomes (e.g., freelance income, certifications unlocked, internal promotion paths)

## **(Optional but Recommended Additions)**

* **Roadmap Versioning**  
  Let users save multiple versions of a roadmap (e.g., aggressive 3-month plan vs. relaxed 6-month version)
* **Progress Visualization**  
  Add timeline view or roadmap graph view to let users "see" their learning journey over time
* **Gamification Elements (Optional for MVP+)**
  + Progress badges
  + XP system based on roadmap node completion
  + Streaks / weekly goals