Gravity.ai – Final Product Requirement Document (PRD)

**Tagline: Discover Yourself**

**App Color Theme:**Gradient Purple and White  
Dark Purple (start): #5B2C8A  
Light Purple (end): #A463D2

# 1. Product Vision

Gravity.ai is a next-generation AI-powered private journaling and self-improvement assistant.  
It makes logging thoughts, activities, and ideas effortless, analyzes them in real time, and provides personalized insights,  
recommendations, and proactive check-ins to help users improve their life across any area they care about — from career and relationships  
to fitness, mental health, productivity, learning, and more.

# 2. Core Value Propositions

- Frictionless Journaling – record or type entries instantly, even without opening the app.  
- Smart Categorization – AI detects topics from entries and clusters them dynamically (no fixed categories).  
- Adaptive Insights – dashboards change layout, charts, and focus areas based on the user’s real-life data.  
- Proactive Engagement – the app reaches out to users at the right time to help them stay on track.  
- Context-Aware Recommendations – actionable, personalized suggestions to close gaps or improve performance.  
- Absolute Privacy with Cloud Intelligence – all data is end-to-end encrypted, even on the cloud, so not even Gravity.ai can read it.

# 3. Key Features

A. Journaling & Smart Capture  
- Voice Journaling: In-app mic or background double-tap volume button; automatic silence detection; NLU to detect intent without fixed keywords.  
- Text Journaling: Minimal UI; AI suggests tags based on content.  
- Command Flexibility: Any phrasing that implies a note, idea, or to-do is understood by AI.  
- Offline Capture: Records offline, uploads when online.  
  
B. AI-Driven Categorization & Dynamic Dashboard  
- Automatic Clustering: AI groups logs into relevant themes.  
- Dynamic Layout: Dashboard reconfigures itself to show the most relevant categories.  
- Adaptive Visualizations: Charts change based on category.  
- Color-Coded Priority Markers: Green = on track, Yellow = needs attention, Red = critical gap.  
  
C. Summaries & Reports  
- Daily Summary: Achievements + gaps + suggestions.  
- Weekly Summary: Habit trends and progress.  
- Monthly Summary: Big-picture focus areas with improvement/loss indicators.  
  
D. Proactive User Engagement  
- To-do Check-ins: Timely reminders and progress checks.  
- Insight-Based Nudges: Suggest helpful actions based on patterns.  
- Goal-Driven Prompts: Encourage action when goals lag.  
  
E. To-do, Ideas & Notes Management  
- Seamless Entry Creation: Voice or text with NLU.  
- Categorized Views: To-dos, Ideas, Notes.  
- Integration with Dashboard: Task completion trends feed productivity insights.  
  
F. Privacy & Security  
- No local-only mode – all data processed in the cloud for AI insights.  
- End-to-end encryption – not even Gravity.ai can read entries.  
- Zero-knowledge architecture – keys stay on the user’s device.  
- Biometric Lock for app access.

# 4. Detailed User Flows

Flow 1: Natural Language To-do Creation  
1. User: “I need to prepare my presentation by Friday.”  
2. AI detects deadline & task type → saves to To-dos.  
3. Sends reminders: midway, day before, and on the day.  
  
Flow 2: Daily Summary Delivery  
1. 9 PM → AI reviews logs.  
2. Generates summary: Achievements, missed goals, suggestions.  
3. Push notification: “Your day summary is ready.”  
  
Flow 3: Insight-Triggered Nudge  
1. User logs stress.  
2. AI matches with past patterns → suggests helpful activity.  
  
Flow 4: Dashboard Adaptation  
1. User logs mostly fitness and career data.  
2. Dashboard prioritizes fitness metrics and career progress.  
3. Adds new categories as needed automatically.

# 5. Functional Requirements

- Voice-to-Text + NLP: Detect intent, category, tags from any phrasing.  
- Clustering Algorithm: Auto-generate category set per user.  
- Dynamic Dashboard Renderer: Auto-adjust charts/layout.  
- Summarization Engine: Generate day/week/month reports.  
- Proactive Engagement System: Scheduled + trigger-based notifications.  
- E2E Encryption Layer: Secure all data in transit & at rest.

# 6. Non-Functional Requirements

- Latency: Entry capture to save confirmation < 2s.  
- Security: AES-256 + E2E encryption; zero-knowledge.  
- Scalability: Handle 10+ years of data per user.  
- Cross-platform: Same UX/UI on iOS & Android.

# 7. Future Enhancements

- Wearable integration for auto-logging.  
- AI coach for real-time conversations.  
- Integration with calendars for to-do auto-import.  
- Rich media journaling (photos, videos with context tags).