

# TASKFLOW AI

*AI-Powered Task Decomposition for the Overwhelmed Mind*

## Rice Business Plan Competition 2026

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Transforming overwhelming tasks into achievable micro-steps through emotionally-responsive AI that understands not just what you need to do, but how you feel about doing it.

<b>MVP</b> Live & Deployed	<b>\$500K</b> Seed Round	<b>\$5B</b> Market (2025)	<b>2026</b> Imagine Cup
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## Founding Team

### Kushagra Kumar (Lead)

Indian Statistical Institute Kolkata  
M.S. Applied Statistics | Data Analytics & ML

### Heejin Jo

University of the People  
Health Science | Product & UX Design

**Contact:** midmost44@gmail.com | **Demo:** taskflow-frontend.bravesky-cb93d4eb.eastus.azurecontainerapps.io

# The Problem: Task Paralysis in an Overwhelming World

In an era of constant connectivity and infinite to-do lists, **task overwhelm** affects millions. People, especially those with ADHD, students, and knowledge workers, find themselves paralyzed when facing complex tasks. They know what they need to do, but they cannot start.



## Why Existing Solutions Fail

Traditional apps like Todoist, Notion, Things focus on **organizing tasks**, not **executing them**:

- \* They show everything at once, amplifying overwhelm
- \* They lack emotional responsiveness - never ask how you feel
- \* They break tasks into subtasks, but not into truly achievable micro-steps
- \* They provide no real-time AI guidance during execution

## Our Solution: TaskFlow AI

TaskFlow AI is an **emotionally-intelligent execution partner** that transforms overwhelming tasks into achievable micro-steps, then guides you through each one with real-time AI support.

*"The fundamental missing piece of most to-do systems is that they are not emotionally responsive." - User Research*

Feature	What It Does	Why It Matters
AI Task Breakdown	Decomposes tasks into 2-10 min micro-steps	Eliminates decision fatigue
Emotional Check-in	Asks how you feel, shows manageable tasks	Prevents overwhelm
Galaxy Focus Mode	Immersive Pomodoro with AI chat support	Maintains engagement
Momentum Engine	Suggests next task upon completion	Sustains flow state

# Product & Technology

## How TaskFlow AI Works

1. Input any complex task (e.g., "Learn TensorRT") | 2. GPT-4 breaks it into micro-steps | 3. Emotional check-in: "Ready for big or small task?" | 4. Galaxy Focus Mode with AI chat | 5. Complete step, get next instantly

Task Input	AI Breakdown	Galaxy Focus
Natural language entry	Visual decomposition tree	Immersive timer + AI chat

## Technology Architecture

Layer	Technology	Purpose
Frontend	Next.js 15, React, TypeScript, Tailwind	Fast, responsive UI with SSR
Backend	Node.js, Express, Socket.io	RESTful API + real-time sync
Database	Azure Cosmos DB	Global distribution, low latency
AI Engine	Azure OpenAI (GPT-4)	Intelligent task decomposition
Infra	Azure Container Apps, ACR	Auto-scaling, zero-downtime

## Technical Differentiators

\* **Real-time WebSocket sync** - Tasks update across all devices instantly | \* **GPT-4 integration** - Context-aware decomposition | \* **Gamification** - Levels, badges, streaks | \* **Google Calendar API** - Smart scheduling

# Market Opportunity

TAM \$100B+	SAM \$5B	SOM \$500M
Global Productivity Software	Task Management (2025)	ADHD/Student/Freelancer

## Competitive Landscape

Competitor	Users	AI Decomp	Emotional	Focus Mode
Todoist	35M+	No	No	No
Notion	30M+	No	No	No
Things 3	~1M	No	No	No
TaskFlow AI	MVP	Yes	Yes	Yes

## Business Model

Free \$0	Pro \$9.99/mo	Team \$19.99/user/mo
10 AI decompositions/mo Basic Focus Mode Single device	Unlimited AI decomposition Calendar sync All devices + Priority	Everything in Pro Team dashboards Admin + Analytics

## Revenue Projections

Year	Users	Paid %	ARR
Year 1	50,000	5%	\$300K
Year 2	250,000	8%	\$2.4M
Year 3	1,000,000	10%	\$12M

# The Team

<b>Kushagra Kumar</b> Co-Founder & Lead  <b>Education:</b> M.S. Applied Statistics, ISI Kolkata <b>Expertise:</b> Data Analytics, ML, AI Systems <b>Role:</b> Technical architecture, AI/ML development	<b>Heejin Jo</b> Co-Founder & Product  <b>Education:</b> Health Science, UoPeople <b>Expertise:</b> Product Development, UX Design <b>Role:</b> Product strategy, UX, growth
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## Traction & Milestones

Achieved	In Progress
* MVP deployed on Azure * \$1,000 Azure credits secured * Microsoft Imagine Cup 2026 * Product Hunt launched * Emotional check-in integrated	* RBPC 2026 application * Mobile app (React Native) * Enterprise pilots * Strategic partnerships * Seed fundraising

## Investment Ask

**Seeking: \$500,000 Seed Round**

Use of Funds	%	Purpose
Product Development	<b>40% (\$200K)</b>	Mobile apps, team features, AI
Marketing & Growth	<b>30% (\$150K)</b>	User acquisition, community
Infrastructure	<b>20% (\$100K)</b>	Scaling, security
Legal & Ops	<b>10% (\$50K)</b>	IP, compliance

**Join us in transforming how people accomplish their goals.**

TaskFlow AI is not just a productivity tool - it is a mental health intervention disguised as software. Every task completed is a small victory against overwhelm.

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