

TASKFLOW AI

AI-Powered Task Decomposition for the Overwhelmed Mind

Rice Business Plan Competition 2026
April 9-11, 2026 | Houston, Texas

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.

MVP Live & Deployed	\$500K Seed Round	\$5B Market (2025)	2026 Imagine Cup
-------------------------------	-----------------------------	------------------------------	----------------------------

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.

6.1M+

Adults with ADHD in US struggle with task initiation

82%

Workers report feeling overwhelmed by workload

\$500B+

Annual productivity loss from procrastination

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

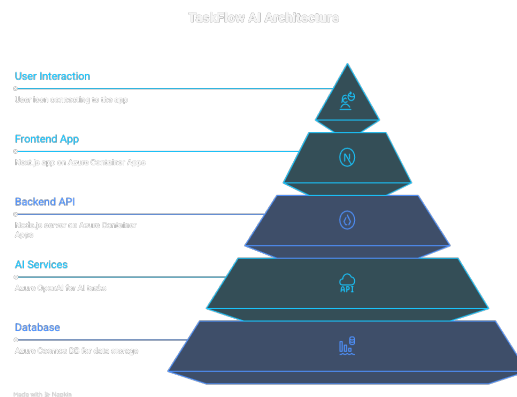
How TaskFlow AI Works

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

Technology Architecture

Layer	Technology
Frontend	Next.js, React, TypeScript
Backend	Node.js, Express, Socket.io
Database	Azure Cosmos DB
AI Engine	Azure OpenAI (GPT-4)
Infra	Azure Container Apps



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+ Global Productivity Software	SAM \$5B Task Management (2025)	SOM \$500M 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 10 AI decompositions/mo Basic Focus Mode Single device	Pro \$9.99/mo Unlimited AI decomposition Calendar sync All devices + Priority	Team \$19.99/user/mo 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

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

Traction & Milestones

Achieved	In Progress
<ul style="list-style-type: none">* MVP deployed on Azure* \$1,000 Azure credits secured* Microsoft Imagine Cup 2026* Product Hunt launched* Emotional check-in integrated	<ul style="list-style-type: none">* 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	40% (\$200K)	Mobile apps, team features, AI
Marketing & Growth	30% (\$150K)	User acquisition, community
Infrastructure	20% (\$100K)	Scaling, security
Legal & Ops	10% (\$50K)	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.

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