



OmniTask AI

An AI-Powered Inbox-to-Action Automation Platform

Team HACKTIVATORS • Software Engineering | AI | Automation

"Automatically converts everyday messages into tasks, reminders, and schedules."

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The Fragmented Productivity Landscape

Current Scenario

Modern professionals juggle work across **multiple disconnected platforms**, creating friction at every step:

- **WhatsApp** → Conversations, commitments, quick asks
- **Gmail** → Formal emails, deadlines, confirmations
- **To-Do & Calendar apps** → Manual task tracking and scheduling

The Hidden Cost

- Critical information gets buried in message threads
- Deadlines slip through the cracks
- Valuable time spent organizing instead of executing
- Mental fatigue from context-switching between apps

The Problem Statement

There is no intelligent system that understands user intent from everyday conversations and emails and automatically converts them into actionable tasks and reminders.

As a result, users are forced to manually interpret messages, track commitments, and manage multiple tools — becoming the middleman in their own workflows.

Our Solution: OmniTask AI

OmniTask AI is an **AI-driven automation assistant** that eliminates the friction between communication and productivity.



Inbox

Analyzes user-consented messages and emails from WhatsApp and Gmail



Intelligence

AI understands intent, identifies commitments, and extracts deadlines



Action

Automatically creates tasks, reminders, and schedules in a unified dashboard

Core Philosophy

Transform passive communication into proactive productivity—without lifting a finger.



Key Functionalities

AI Summarization

Converts lengthy chat threads and email chains into clear, digestible highlights—so you see what matters most at a glance.

Automatic Task & Deadline Detection

Identifies commitments like "submit by Friday" or "call back tomorrow" and creates structured tasks with deadlines.

Smart Reminders

Generates context-aware reminders without manual input—ensuring nothing falls through the cracks.

Unified Action Dashboard

Tasks, messages, and reminders live in one intuitive interface—eliminating app-switching and mental overhead.

What Makes OmniTask AI Different?



The Status Quo







Most productivity tools shift the burden to you—requiring manual task creation and forcing you to translate conversations into structured to-dos.

Our Breakthrough

- AI understands *intent from natural language*—no rigid formatting or training required
- Converts communication into actionable tasks automatically
- Eliminates tool sprawl, not adds to it

"We don't add another tool to your workflow—we eliminate the need to manage tasks at all."

Technology Stack & Feasibility

	Frontend HTML, CSS, JavaScript for responsive, intuitive UI
	Backend Node.js and Express.js for scalable API architecture
	Automation n8n for seamless workflow orchestration
	Database PostgreSQL for secure, reliable data storage
	AI Engine Gemini 2.0 Flash API for natural language understanding
	Integrations Gmail API, WhatsApp Cloud API (consent-based access)

Why This Stack Works

- All APIs are well-documented and production-ready
- Leverages free-tier tools for cost efficiency
- Proven technologies with strong community support

Hackathon-Ready

Realistic to build a functional MVP within tight time constraints—our stack prioritizes speed without sacrificing scalability.



Expected Impact

40%

Time Saved

Daily reduction in time spent on manual task management and app-switching

3x

Faster Response

Quicker turnaround on commitments with automated reminders and deadline tracking

85%

Fewer Missed Deadlines

Significant decrease in overlooked tasks and forgotten follow-ups

10+

Hours Reclaimed

Weekly hours saved per user, redirected toward meaningful work

OmniTask AI delivers measurable productivity gains—reducing mental load, eliminating busywork, and scaling effortlessly from individuals to entire teams.

Impact estimates are based on early workflow analysis and comparisons with existing productivity studies.

Conclusion:

Transforming Communication into Action

OmniTask AI represents a fundamental shift in how we approach productivity—moving from reactive task management to intelligent automation.

By bridging communication and action, we're not just building another tool. We're reimagining what's possible when AI understands your intent and acts on it automatically.

The future of work is here. It's intelligent. It's seamless. It's OmniTask AI.

"The next generation of productivity starts now."

