



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."

Iqbal Ahmed.M • Syed Arifa.J • Pavithra.R



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



No Intelligence Layer

Current tools can't understand **user intent** from natural conversations and emails



No Automatic Conversion

No system automatically transforms discussions into **actionable tasks and reminders**



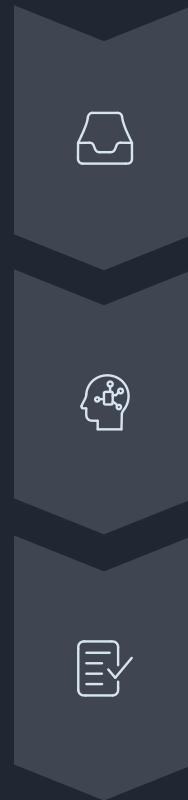
No Unified View

Users lack a **single workspace** that aggregates everything without manual effort

- ❑ There is **no intelligent system** that bridges the gap between communication and action—forcing users to remain 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 require **manual task creation**—you still do the heavy lifting of translating conversations into to-dos.

Our Breakthrough

- AI understands **intent from natural conversations**—no rigid formatting needed
- Automatically converts communication into structured actions
- Reduces human effort instead of piling on more tools

"We don't help users manage tasks—we eliminate the need to manage tasks."

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.

OmniTask AI

Transforming Communication into Action

OmniTask AI bridges the gap between everyday conversations and meaningful productivity through **intelligent automation**.

No more manual task creation. No more app juggling. Just seamless, smart workflows that adapt to how you naturally communicate.

"A simple, smart, and scalable AI solution for modern productivity."

