

DEV PATEL

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PROFESSIONAL SUMMARY

AI Automation Developer with hands-on experience building multi-service n8n workflows integrating LLMs, vector databases, voice APIs, and cloud platforms. Independently designed and shipped four production-grade automation systems covering document management, conversational AI, appointment scheduling, and event operations. Self-driven learner with a track record of combining diverse AI tools into cohesive, real-world solutions.

TECHNICAL SKILLS

Automation & Orchestration: n8n, Webhook Design, API Integration, Workflow Logic, Data Pipeline Architecture
AI & LLM Tools: Google Gemini, Pinecone (Vector DB), Deepgram (Voice-to-Text), ChatGPT, Prompt Engineering
Cloud & APIs: Google Drive, Google Sheets, Google Calendar, WhatsApp Business API
Document Processing: Automated PDF Fetching, AI Categorization, LLM Summarization
Other: DaVinci Resolve, Adobe Premiere Pro, Blender, Roblox Studio (Lua), REST APIs, JSON/YAML

EXPERIENCE

AI Automation Developer 2025 – Present
Independent Projects (n8n Platform) Vadodara, Gujarat, India

- Designed and shipped 4 end-to-end n8n automation systems integrating AI services, cloud APIs, and communication platforms for real-world business workflows.
- Integrated Pinecone vector search, Deepgram voice transcription, and Gemini Vision into a unified WhatsApp AI assistant supporting document Q&A, voice commands, and image understanding.
- Applied prompt engineering and multi-step webhook logic to maximize task completion reliability across automation pipelines.

Video Editor 2023 – 2024
Freelance / Self-Directed Vadodara, Gujarat, India

- Produced gaming montages, cinematic edits, and YouTube Shorts from podcast content using DaVinci Resolve, Adobe Premiere Pro, and CapCut, developing precision, storytelling, and iterative refinement skills.

PROJECTS

AI WhatsApp Chatbot | n8n, Google Gemini, Pinecone, Deepgram

- Built a multimodal WhatsApp AI assistant supporting document-based Q&A (RAG via Pinecone vector search), voice-to-text input (Deepgram), image understanding (Gemini Vision), and task automation via natural language commands.
- Implemented context-aware conversation handling to maintain session state across multi-turn interactions.

Smart PDF Management System | n8n, Google Drive API, Google Sheets API, LLM

- Engineered a fully automated document pipeline: email trigger → PDF extraction → AI-powered categorization → organized storage in Google Drive with metadata logged to Google Sheets.
- Eliminated manual document sorting by intelligently classifying PDF content using LLM inference within the workflow.

WhatsApp Appointment Booking Bot | n8n, Google Calendar API, WhatsApp API

- Developed a conversational scheduling agent that parses booking requests over WhatsApp, checks real-time Google Calendar availability, and sends automated confirmations — reducing scheduling overhead to zero.

Event Automation System (EventTech Workflow) | n8n, REST APIs, Webhooks

- Automated the full event operations lifecycle: participant registration → confirmation notifications → data aggregation → reporting, using webhook-driven triggers and multi-API orchestration.
- View project on LinkedIn

EDUCATION

National Institute of Open Schooling (NIOS) India
Higher Secondary Education

ADDITIONAL

Languages: English, Hindi, Gujarati
Actively Learning: Python scripting, cloud deployment, LangChain, advanced RAG pipelines
Creative: 3D Modeling (Blender), Game Development (Roblox Studio / Lua)