

DEEPANSHU SINGH

AI Automation & Web App Specialist | AI Agents, Workflow Automation & Product Development

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PROFESSIONAL SUMMARY

AI Automation & Web App Specialist who turns manual, repetitive business processes into shipped, working software. Builds AI-powered web applications and agent workflows end to end — from problem definition and UX to multi-API integration, voice interfaces and deployment — using an AI-first development stack (Claude, ChatGPT, Gemini, n8n, Vercel). Has independently designed and launched three live production applications covering employee task management, health tracking and prompt-operations tooling. Hands-on with 150+ AI tools and recognised for expert-level prompt engineering, cutting manual effort across content, reporting and operations by an estimated 40% and eliminating external agency costs for video and design production.

CORE EXPERTISE

AI Web & App Development: Responsive AI-powered web apps and PWAs, dashboards, landing pages, single-file architectures, mobile-first UI, authentication & role-based access, deployment on Vercel and custom domains

AI Agents & Automation: AI-agent applications, n8n workflow automation, multi-API integration, voice-to-structured-data pipelines, notification & reminder engines, automated reporting and Excel export

Prompt Engineering: Advanced prompt design, optimisation and reusable prompt systems — core strength; building prompt libraries, rule sets and adaptive prompt generators for teams

Generative AI Stack: Claude, ChatGPT, Gemini, Google AI Studio, Copilot, Manus AI, HeyGen, ElevenLabs, Runway, Kling AI, Google Flow (150+ tools tested and deployed)

AI Video & Design: Lifelike AI avatar videos cloning exact face, voice and tone; AI voiceovers; short-form and faceless video; social creatives, banners, thumbnails and carousels

Digital Growth & Content: End-to-end LinkedIn management, content strategy and ghostwriting, trend research, analytics, SEO-friendly copy

Operations & Process: SOP design and documentation, MIS and data reporting, workflow standardisation, cross-functional coordination

FLAGSHIP PROJECTS (LIVE, SELF-BUILT)

GRIVAA TEAM EMS — AI Employee Management System for small businesses

ems.grivaacapital.com

A full task-and-team management platform built for small businesses that need structure without enterprise tooling. Managers assign work by voice in any language — the app transcribes the instruction and converts it into a properly structured task with title, description, owner, tags and deadline, so no separate typing or formatting step is needed.

- **Voice-to-task engine:** multilingual speech input is auto-structured into clean, taggable task records inside the system.
- **Drag-and-drop workflow:** To-Do → In Progress → Done boards with live time tracking on every task.
- **Built-in chat & submissions:** employees submit completed work, files and updates directly from the chat history, keeping proof of work attached to the task.
- **Instant notifications** the moment work is assigned or delivered, plus productivity analytics per person and per platform.
- **Admin dashboard** for employee creation, task review, one-click Excel reporting and Google Drive-ready exports — replacing Slack, spreadsheets and follow-up calls with a single tool.

NUTRI AI — AI nutrition coach & calorie tracking PWA

nutri-web-azure.vercel.app

A personal food assistant that removes every point of friction in calorie tracking. Users log meals by voice, by photo or manually, and the AI identifies the food, calculates calories and macros, and writes it straight into the daily log.

- **Multi-modal logging:** voice, image recognition or manual entry, with automatic calorie and macro breakdown.
- **AI Coach:** generates personalised summaries and analysis of eating patterns, then delivers motivational nudges and course-corrections toward the user's weight goal.
- **Smart reminders:** timed notifications that keep users consistent with meals, hydration and logging streaks.
- **30-day history with Excel export,** weight-progress tracking and trend analytics for long-term visibility.
- **Installable PWA** with fingerprint lock and offline-friendly, mobile-first design for privacy and daily use.

PROMPT LAB — AI prompt library, search & generation engine

promptlab.grivaadigital.com

A lightweight prompt-operations tool that solves an expensive daily problem: strong prompts get written once, then lost — and rebuilt from scratch every time. Prompt Lab stores proven prompts and reproduces them in the same style on demand.

- **Save & reuse:** a searchable library of master prompts and rule sets — save once, and the whole team can find and use it.
- **Plain-language search:** users type what they need in normal words and the app surfaces the right existing prompt.
- **Cost-efficient architecture:** matches run entirely in-browser and are rebuilt instantly with no API call; only genuinely new requirements are sent to a model, which adapts an existing prompt into the required style.

- **Style-consistent generation:** new prompts inherit the structure and tone of the saved originals, keeping output quality uniform across users.
- **Team-ready:** account creation, admin-managed user access and a single-file, fast-loading build — saving hours of repeated prompt-writing every week.

PROFESSIONAL EXPERIENCE

AI Operations Executive | Grivaa Capital, Delhi Oct 2024 – Present

- **Designed, built and deployed AI-agent applications and web platforms** integrated with multiple APIs — including a voice-driven employee management system, an AI nutrition tracker and an internal prompt-operations tool — all currently live and in daily use.
- **Automated content, research and reporting workflows** using n8n, Claude and a tested stack of 150+ AI tools, reducing manual effort by an estimated 40% across departments.
- **Produced lifelike AI avatar videos** cloning exact face and voice/tone using HeyGen, ElevenLabs and Google Flow — removing external agency and production costs entirely.
- **Grew the company's LinkedIn presence to 20L+ (2 million+) organic impressions** through content strategy, ghostwriting, scheduling and data-led analytics.
- **Created 100+ social media creatives**, banners and marketing assets using Canva and AI image tools to support brand campaigns across channels.
- **Standardised delivery with 25+ SOPs** and reusable templates, making output faster to scale and shortening new-team-member onboarding.
- **Supported portfolio operations** by handling client reports and confidential business data with strict accuracy, compliance and process discipline.

Sales Officer | HDB Financial Services, Delhi Feb 2024 – Oct 2024

- Managed the full sales cycle from lead generation to closure, consistently meeting monthly targets.
- Analysed client profiles, income and credit data to recommend suitable loan products, improving approval rates while managing risk.
- Coordinated with credit, compliance and operations teams to ensure accurate documentation and regulatory adherence.

TOOLS & PLATFORMS

AI Assistants & LLMs: Claude (Cowork) • ChatGPT • Gemini • Microsoft Copilot • Manus AI • Merlin AI • Wispr Flow
Build & Automation: n8n • Vercel • Google AI Studio • REST APIs & Webhooks • OmniDim (AI Calling Agent) • PWA / Single-file web apps
Video, Voice & Design: HeyGen • ElevenLabs • Runway • Kling AI • Higgsfield • Leonardo AI • Ideogram • OpusClip • Suno AI • Google Flow • Canva AI
Productivity & Reporting: MS Office & Advanced Excel • Google Workspace • Google Drive • LinkedIn Analytics • Tally ERP-9

CERTIFICATIONS

- **Integrations: APIs & Connected Workflows** — n8n Academy. Connecting apps and services through APIs to automate multi-step workflows.
- **Essentials: Your First Workflows** — n8n Academy. Core foundations for building and running no-code AI automation.
- **AI/ML Launchpad Bootcamp** — PW Skills. Hands-on foundations in AI/ML concepts, models and applied tooling.
- **Generative AI for All** — PhysicsWallah × Microsoft. Applied generative AI for content, prompting and real-world creative use cases.
- **Computer Course (MS Office & Advanced Excel)** — data handling, reporting and documentation.

EDUCATION

Bachelor of Commerce (B.Com) | Indira Gandhi National Open University (IGNOU) 2021 – 2025

Senior Secondary (Class XII), CBSE | Delhi 2021

Portfolio of live applications, AI-generated graphics, avatar videos and automation workflows available on request.