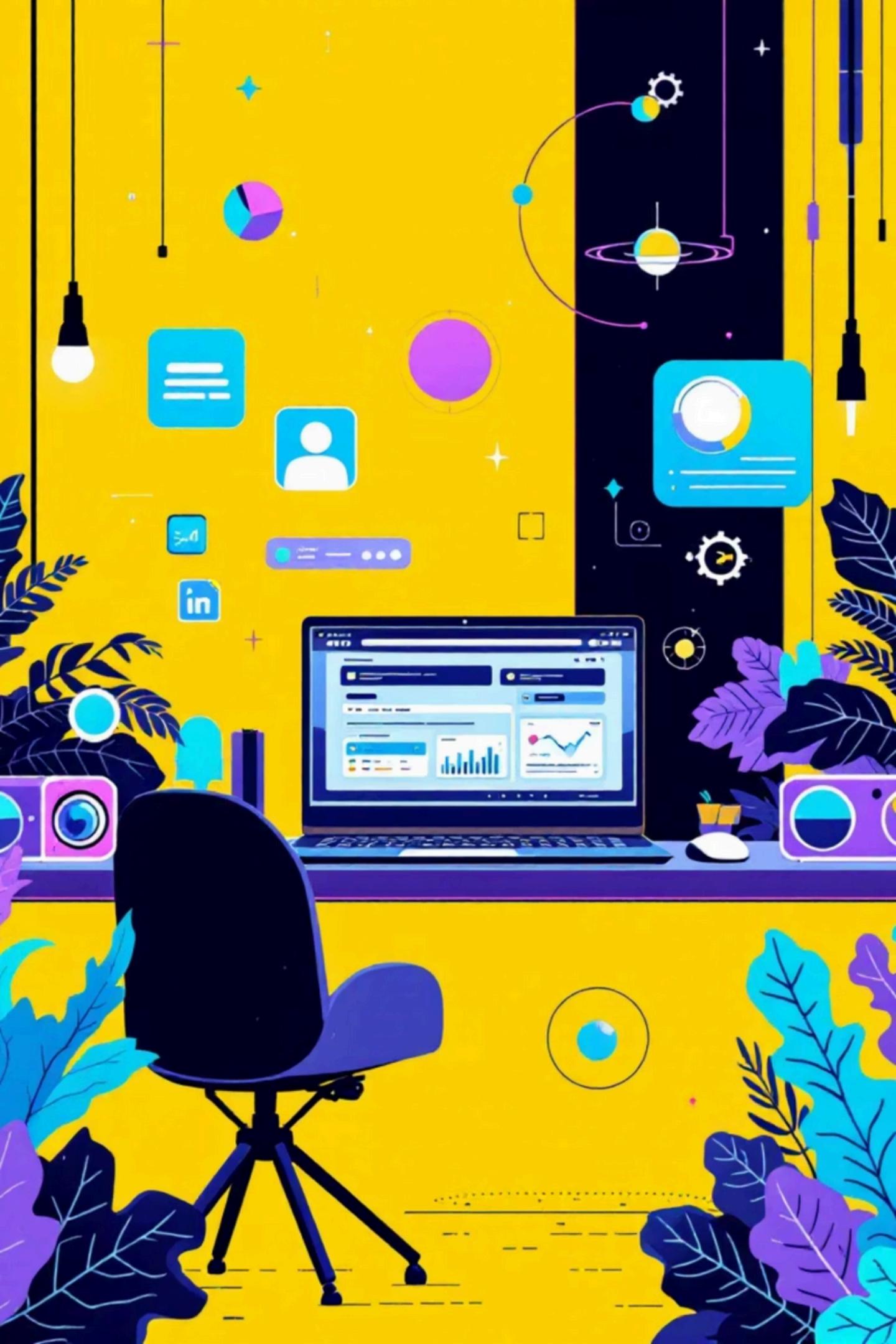


Learning n8n + AI Agents Masterclass

A comprehensive 30-day hands-on journey to master automation-powered AI agents using n8n

Created by Chinmay Kaitade | MERN Stack Developer | AI Enthusiast



What You'll Master in This Journey



AI Agent Design

Build intelligent agents that think, learn, and automate complex workflows



Automation Mastery

Create sophisticated automation systems from beginner to advanced levels



RAG Systems

Implement retrieval-augmented generation for smarter AI responses



Voice Agents

Design and deploy voice-enabled AI agents for natural interactions

Week 1: Foundation & Core Concepts

01

Day 1: AI Automations vs AI Agents

Understanding the fundamental differences and when to use each approach

02

Day 2: Cloud vs Self-Hosting

Setup and comparison of n8n deployment options for your needs

03

Day 3: Core Agent Structure

Learn workflow modifications and agent architecture patterns

04

Day 4: Five Node Categories

Master your digital LEGO blocks for building powerful automations

05

Day 5-7: Advanced Preparation

Deep dive into nodes, project blueprints, and planning strategies

Week 2-3: Building Real AI Agents

Hands-On Projects

Transform theory into practice with eight real-world automation projects:

- **Customer Feedback Agent:** Analyze and respond to customer sentiment automatically
- **Twitter/X Post Scraper:** Track trends and extract valuable social insights
- **Email Reply Automation:** Smart AI-powered email management system
- **Data Processing Pipeline:** Handle complex data transformations efficiently
- **RAG Knowledge Base:** Create intelligent portfolio assistants





Master the Art of Prompt Engineering

Role-Goal-Instruction Framework

Structure prompts using XML for precise AI agent behavior. Define clear roles, specific goals, and detailed instructions to guide your agents effectively.

JSON for AI Agents

Learn comprehensive JSON structures for agent configurations, data handling, and workflow orchestration without manual coding.

Context Management

Optimize how agents understand and retain context across conversations, ensuring coherent and intelligent responses every time.

Advanced Capabilities: RAG & Voice Agents

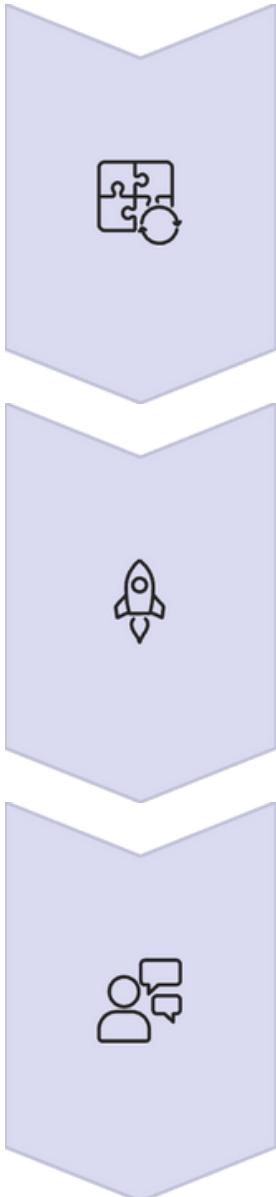
RAG Implementation

Build smart agents using Retrieval-Augmented Generation. Connect your agents to knowledge bases, enabling them to provide accurate, contextual responses using your own data.

Voice AI Workflows

Create natural voice interactions with AI agents. Design workflows that process speech input, understand intent, and respond with synthesized voice output for seamless conversations.

Week 4: Enterprise-Level Features



MCP Server Integration

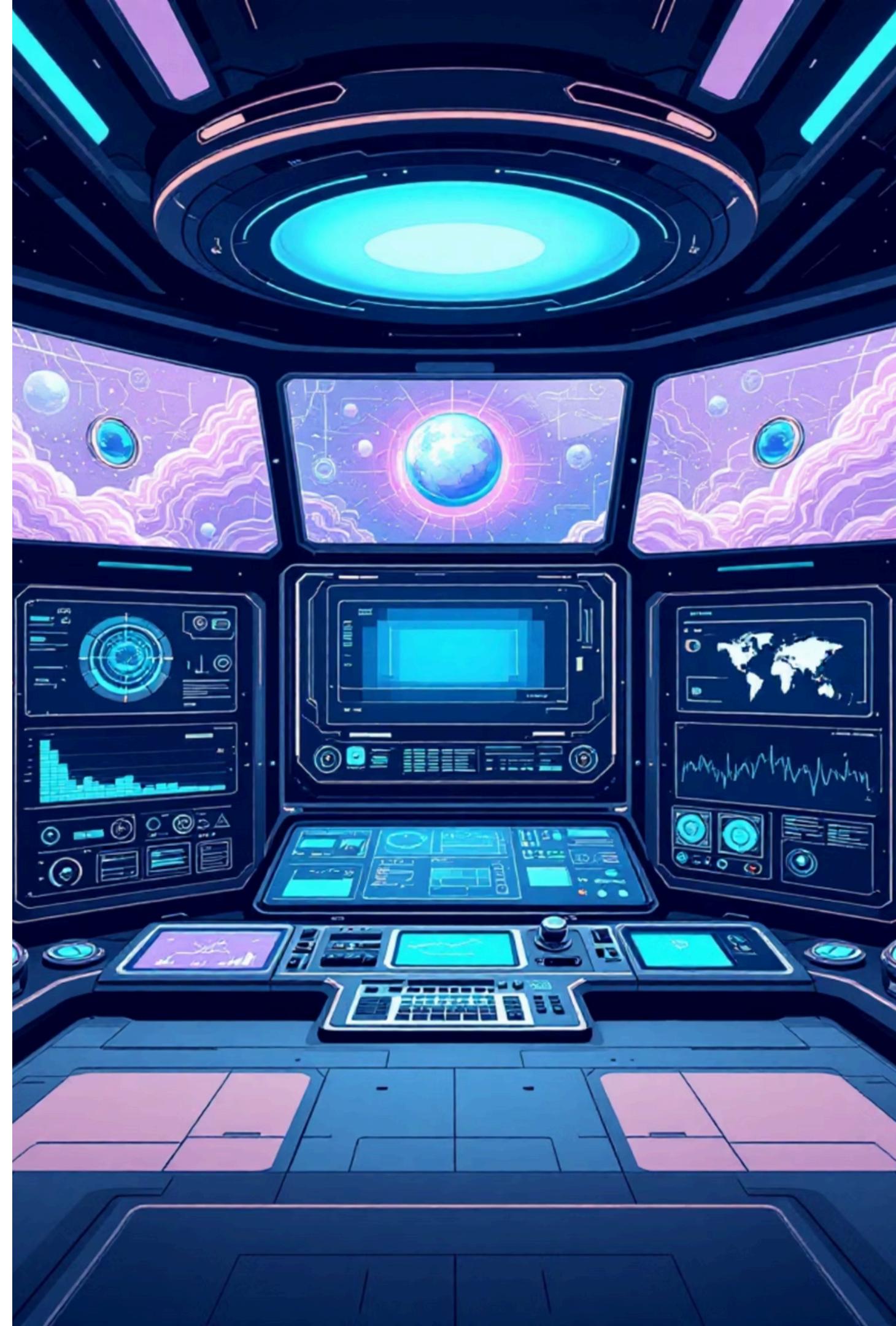
Make AI agents smarter with Model Context Protocol, enabling advanced reasoning and decision-making capabilities

SuperAgents

Build meta-agents that orchestrate multiple specialized agents for complex, multi-step tasks

WhatsApp AI Agent

Deploy intelligent conversational agents on WhatsApp for real-world business applications



1000+ Ready-to-Use Workflows



Massive Resource Collection

Access a comprehensive bundle of production-ready workflows including:

- Customer management automations
- Marketing and social media bots
- Data processing pipelines
- E-commerce integrations
- CRM synchronization flows
- Analytics and reporting systems

Each workflow comes with detailed JSON configurations and documentation for immediate implementation.



Learning Resources & Community



Daily PDFs & Notes

Comprehensive markdown documentation and PDF guides for every concept



JSON Examples

Working code samples and workflow configurations for hands-on learning



Video Tutorials

Step-by-step YouTube guides including n8n Quick Start series



Open Source

MIT licensed repository with active community contributions and updates



Start Your Journey Today

Ready to Transform Your Skills?

Join the growing community of developers mastering AI automation. Whether you're building personal projects or enterprise solutions, this masterclass provides everything you need.

What makes this different:

- Structured 30-day learning path
- Real-world project examples
- Complete workflow library
- Active community support

★ Star the repository on GitHub and follow along with daily updates!

