

# **AGENTIC FLOW (Workflow Automation)**

## **FOR EACH MEMBER**

This document presents a consolidated roadmap of automation projects designed to optimize and streamline workflows across multiple functional areas within our organization. Each initiative is tailored to a specific use case, addressing recurring challenges with intelligent, AI-driven solutions that reduce manual effort, improve efficiency, and generate actionable insights.

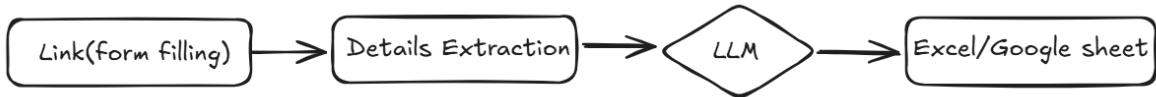
The projects include:

- **HR Automation (Prathyusha):** AI-powered resume screening integrated with n8n, OpenAI, and Supabase to standardize candidate evaluation and accelerate hiring decisions.
- **Video Editing Automation (Aadiraj):** A knowledge assistant and workflow simplification toolkit that leverages RAG systems and automation tools to reduce manual content-editing work.
- **Guest Research Automation (Meneno):** A multi-agent research system with YouTube comment scraping and structured data pipelines to deliver faster and more comprehensive guest profiles.
- **Arsh Automation:** AI-driven content optimization to identify reel highlights, automate Opus Clip workflows, and recommend engaging thumbnail and title tools.
- **Neetu Automation:** Automated transcript-to-chart pipelines that transform raw meeting transcripts into structured data and visual dashboards for quick insights.
- **Overall RAG Knowledge Base:** A centralized, team-centric knowledge assistant integrating context retrieval and LLMs to provide fast, accurate, and human-like responses.

Each project is scoped with a clear timeline and deliverables, collectively showcasing how automation can transform everyday workflows into scalable, intelligent, and data-backed systems. Together, these initiatives highlight a unified vision: leveraging AI and automation to enhance decision-making, creativity, and organizational productivity.

# HR AUTOMATION(Prathyusha)

	A	B	C	D	E	F	G	H
1	candidate_name	email_address	contact_number	educational Qualifications	job History	skill Set	score	justification
2	Alex Carter	alexcarter@example.com	14567890123	Bachelor of Science in Computer Science, University of California, Berkeley, 2011	Senior Software Developer, TechPro Solutions, 2018–2020: Designed a microservices architecture, led a team of developers, optimized database queries, and collaborated with stakeholders on technical requirements.	Python, JavaScript (React, Node.js), Java, C#, MySQL, PostgreSQL, MongoDB, AWS, Docker, Kubernetes, CI/CD, Git, JIRA, Jenkins, Leadership, Collaboration, Problem-Solving	9/10	The candidate has a solid educational background and extensive relevant experience in full-stack development, cloud technologies, and modern frameworks. Additionally, recent upskilling and contributions to open-source projects demonstrate a strong commitment to professional development and innovation. The only minor gap is the recent career break, but it has been actively utilized for skill enhancement.
3	Jordan Smith	jordansmith@example.c	12345678901	Certificate in Web Development, CodeAcademy, 2022 – Associate Degree in Computer Science, Community College of San Francisco, 2021	Freelance Web Developer, Self-Employed, 2022 – Present: Developed static websites for small businesses using HTML, CSS, and JavaScript; implemented form validation and hosted projects on GitHub Pages. Intern – IT Support, Local Tech Firm, 2021 – 2022: Assisted in troubleshooting software and network issues; provided documentation support and learned basic scripting in Python.	HTML, CSS, JavaScript (Basic React, Basic Node.js), SQLite, MySQL (Beginner), AWS (Basic knowledge), Git, VS Code, Problem-Solving, Eager to Learn	4/10	The candidate has foundational education and some relevant technical skills but lacks significant industry experience, particularly in scalable architecture and cloud-based systems. There is a strong motivation to learn, but the candidate needs further practical experience to match mid-level software development roles.
4								
5								
6								



## Description:

This project automates the initial resume screening process using **n8n**, **OpenAI**, and **Supabase**, streamlining candidate evaluation for recruiters and HR professionals. It intelligently analyzes a candidate's resume against a job description and outputs structured insights to support faster, data-driven hiring decisions.

## Tech Stack:

- n8n: Orchestration and automation
- OpenAI GPT-4o-mini: AI-driven CV analysis
- Supabase: CV hosting and structured result storage
- JSON Schema: Standardized output formatting

## Scope:

Automate the initial screening of resumes by analyzing candidate profiles against job descriptions and generating structured evaluation reports.

## Goals:

- Reduce manual effort in resume shortlisting.
- Ensure consistent, unbiased, and data-driven evaluation.
- Provide recruiters with structured insights to make faster hiring decisions.

**TIME LINE:** This project may take up to approx. 15 days

# **Video Editing Automation (Aadiraj)**

## **Description:**

### **Proposed Solutions**

#### **1. AI-Powered Knowledge Assistant (RAG System)**

- Build a **Retrieval-Augmented Generation (RAG)** system trained on *Aadiraj contents*.
- Newcomers can interact via a chatbot to get instant answers about processes, policies, and resources.

#### **2. Work Simplification Tools**

- Identify and integrate **automation workflows** using existing tools in *Premier*.
- Suggest additional productivity tools to reduce manual work and improve efficiency.

## **Scope:**

Simplify video-editing workflows and onboard newcomers faster using an AI-powered knowledge assistant and productivity automation.

## **Goals:**

- Provide instant knowledge access via a chatbot trained on Aadiraj content.
- Reduce manual effort in video-editing workflows.
- Suggest additional productivity tools for efficiency.

## **TIME LINE:**

This project may take up to approx. 5 days

# **Guest Research Automation (Meneno)**

## **Objective**

Automate the research process for guest profiling and engagement insights, reducing manual effort and enabling faster, structured data collection.

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## **Proposed Solutions**

- 1. Multi-Agent Research System**
  - A network of agents working collaboratively.
  - Agents handle different aspects such as:
    - Guest timeline (career highlights, events)
    - Published works (books, articles)
    - Podcast appearances and media features
  - Agents communicate with each other (e.g., a **search agent** fetching raw data and passing it to a **summarization/analysis agent**).
- 2. YouTube Comment Scraper (Free Tool)**
  - Lightweight application to scrape YouTube comments quickly and at no cost.
  - Extract audience feedback, sentiment, and engagement patterns.
  - Simplifies data collection compared to manual reviews.
- 3. Additional Productivity Enhancements**
  - Recommend and integrate automation tools to reduce repetitive tasks.
  - Streamline research pipelines for better efficiency and consistency.

## **TIME LINE:**

**This project may take up to approx. 20 days**

# **Arsh Automation**

## **Objective**

Automate the **content optimization workflow** by leveraging AI to identify impactful reel moments, streamline Opus Clip automation, and recommend tools for thumbnail and title generation — ultimately reducing manual effort and driving higher engagement through data-backed insights.

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### **Reels Timestamp Suggestion Model**

- AI model trained on past high-performing reels.
- Analyses how hooks and engagement moments were created.
- Suggests the **best timestamps/moments** from new transcripts to maximize reel impact.

### **Opus Clip Automation**

- Enhance prompt engineering for improved **Opus Clip reel automation**.
- Automatically extract **audience feedback, sentiment, and engagement patterns**.
- Streamline content repurposing, reducing manual data collection and review.

### **Smart Tool Suggestions for Thumbnails & Titles**

- Recommend AI-driven tools to generate **engaging thumbnails and optimized titles**.
- Improve click-through rates and viewer retention with data-backed suggestions.

### **TIME LINE:**

**This project may take up to approx. 10 days**

# **Neetu Automation**

**Automate the process of converting meeting transcripts into structured data and transforming that data into clear, actionable visual charts — reducing manual effort and enabling faster, data-driven insights.**

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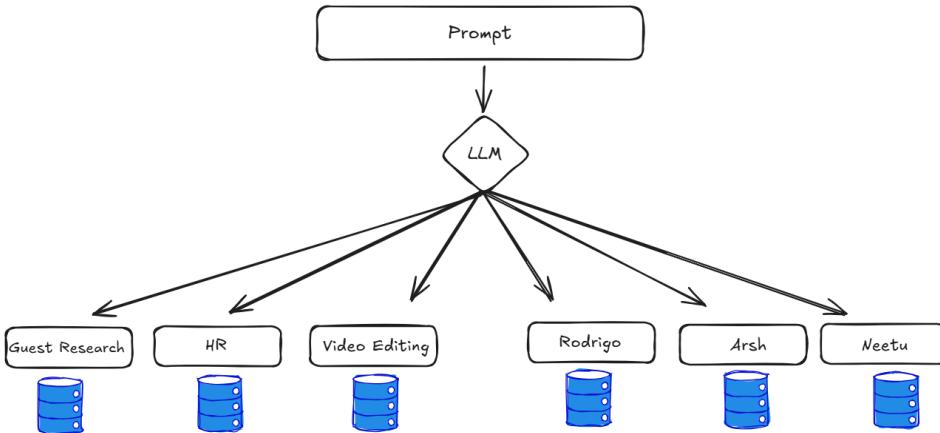
## **Transcript → Data → Charts**

- **Transcript to Data:** Extract key information, themes, and metrics from raw meeting transcripts.
- **Data to Charts:** Automatically generate visual charts and dashboards for improved clarity and decision-making.
- **Outcome:** Simplifies analysis, enhances understanding, and accelerates insight discovery.

## **TIME LINE:**

**This project may take up to approx. 7 days**

# **OVERALL RAG (Knowledge Base)**



## **Details:**

This project is a **smart knowledge-based assistant** designed to deliver **fast, accurate, and context-aware answers**. It leverages a **robust tech stack** and integrates with the team's collective knowledge base for seamless information access.

## **Key Features:**

- **Team-Centric Knowledge Base:** Each team member has a **dedicated database**, ensuring personalized and organized knowledge management.
- **Intelligent Retrieval:** Relevant contexts are retrieved efficiently and passed to the **Large Language Model (LLM)**.
- **Human-Like Responses:** The LLM generates clear, natural, and **human-like answers** tailored to user queries.
- **Seamless Access:** Makes information discovery **faster, smarter, and more intuitive** across the team.

## **Scope:**

Develop a centralized, team-centric knowledge assistant that provides fast, context-aware, and accurate answers across organizational datasets.

## **Goals:**

- Create a dedicated database for each team member's knowledge.
- Ensure intelligent retrieval of relevant context for queries.
- Generate human-like, clear, and natural responses.
- Make organizational knowledge easily discoverable and accessible.

## TIME LINE:

Completely depends upon the dataset of the organization approx. < 1.5 month

## OVERALL COSTS

- **N8N SUBSCRIPTION: 28 EURO/per month**
- **OPEN AI API: 5\$**
- **CURSOR PRO: 20\$ Monthly**

The image shows two side-by-side screenshots. On the left is an 'Order summary' page from a service provider. It displays a total of **€28.32** inc. GST, which is then €28.32 monthly. The breakdown includes a **Cloud Starter** plan at **€24.00**, **GST** at **€4.32**, and a due date of **Due today** at **€28.32**. The payment is due on **18 September 2025**. On the right is a promotional image for the **Pro** plan. It shows a price of **\$20 /mo** and a list of features: ✓ Extended limits on Agent, ✓ Unlimited Tab completions, ✓ Access to Background Agents, ✓ Access to Bugbot, and ✓ Access to maximum context windows. There are 'Get Pro' and 'More info' buttons.

## Cheaper Alternative to N8N Cloud:

KVM Hosting from Hostinger(need to research on this)