Gaurav Vashistha

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Summary

CS/AI Graduate and former Digital Catalog Specialist pivoting to **Agentic AI Engineering**. Experienced in building **Multi-Modal Agent systems** using **Llama 3.2 Vision, Groq, and n8n** to automate complex enterprise workflows. Proven ability to translate business requirements into deployed AI solutions, demonstrated by the **Open Source MerchFlow AI** platform hosted on Hugging Face.

Technical Skills

AI & GenAI: Agentic Workflows, RAG (Pinecone), LLMs (Llama 3.2, OpenAI), NLP, Computer Vision, Prompt Engineering.

Languages & Data: Python, SQL, Dart (Flutter), JSON, REST APIs, Pandas, NumPy.

DevOps & Tools: Docker, Git/GitHub, n8n (Workflow Automation), Hugging Face Spaces, CI/CD Concepts.

Featured Projects

MerchFlow AI (Open Source Enterprise Edition) | *Python, Llama 3.2 Vision, n8n*   [Live Demo] | [GitHub]

- **Multi-Agent Architecture:** Engineered a sequential three-agent system (Visual Analyst, SEO Brain, Copywriter) to automate the conversion of unstructured product images into structured, SEO-optimized e-commerce listings.
- **Production Deployment:** Deployed the full application on **Hugging Face Spaces** using a persistent Docker environment, ensuring zero-config accessibility and "always-on" availability.
- **High-Performance Vision:** Integrated **Llama 3.2 Vision via Groq** to achieve low-latency image analysis, extracting attributes (color, material) with higher throughput than legacy Gemini implementations.
- **RAG & Automation:** Implemented **Pinecone** for SEO keyword retrieval and orchestrated the post-generation pipeline using **n8n webhooks** to sync data directly to external platforms.

Jarvis - Voice-Activated Virtual Assistant | *Python, OpenAI API, SpeechRecognition*   [GitHub]

- **Voice Intelligence:** Developed an advanced voice-activated virtual assistant integrating **OpenAI's API** for Natural Language Processing (NLP) and gTTS libraries for hands-free operation.
- **Real-Time Integration:** Engineered a real-time news delivery system using NewsAPI integration with error handling and ambient noise adjustment.
- **Automated Navigation:** Built automated web navigation modules supporting multiple platforms (Google, YouTube, Stack Overflow) to streamline information retrieval.

Work Experience

Digital Catalog Specialist   Jan 2025 – Sep 2025
CreativeLipi (Third-Party Vendor for IndiaMART)   Noida, UP

- **AI Workflow Automation:** Employed Prompt Engineering techniques with LLMs (Gemini, ChatGPT) to generate SEO-optimized product content, reducing manual content creation time by **approximately 40%**.
- **Data Lifecycle Management:** Managed the full data lifecycle for **over 200+** new client product catalogs during tenure, ensuring logical data structure, technical validation, and adherence to platform specifications.
- **QA & Beta Testing:** Selected as a Beta Tester for the client-facing WhatsApp chat window; executed system integration testing across the Weberp intermesh and logged critical defects to ensure **99% uptime**.
- **Content Optimization:** Drove content performance by strategically optimizing product listings using keyword logic to maximize organic visibility and lead generation for **27+ clients monthly**.

Education

B.Tech: Computer Science and Artificial Intelligence   2021 – 2024
ABESIT (AKTU), Ghaziabad

Diploma: Computer Science and Engineering   2018 – 2021
Lovely Professional University, Punjab

Certifications

- **Microsoft Learn Challenge:** Create agents in Microsoft Copilot Studio (Jan 2025)
- **The Complete Flutter Development Bootcamp with Dart** (Udemy) (Oct 2024)
- **Technical Support Fundamentals** (Google/Coursera) (Jan 2020)