Rujhan Jain

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SUMMARY

Senior AI/ML Engineer with experience building end-to-end AI platforms and SaaS products across Computer Vision, Generative AI, and Agentic AI systems. Promoted within 14 months for owning solution architecture, AI workflows, and deployments. Represented Nupeak at **GITEX Dubai 2025**, presenting SAS- and AI-driven solutions. Strong focus on applied AI, product design, and scalable system development.

EXPERIENCE

Nupeak IT Services Pvt. Ltd.   **Feb' 2024 - Present**

- **Sr. AI/ML Developer**

  (AI Platforms | Agentic AI | Solution Architecture | Client Engagement)

Promoted within 14 months for ownership of end-to-end AI systems, spanning solution architecture, AI development, cloud infrastructure, and deployment.
  - Leading development of an AI workflow platform, acting as founder-level owner across product design, backend services, cloud architecture, DevOps, AI pipelines, and full-stack integration.
  - Architecting a SaaS Agentic AI platform for HRMS, owning AI system design, LLM workflows, cloud infrastructure, and backend services while collaborating with frontend teams.
  - Designed computer vision systems for manufacturing and healthcare, including AI model development (YOLO, Mediapipe), hardware and throughput planning, and real-time inference pipelines.
  - Designed and prototyped agentic AI solutions for logistics and HR use cases, integrating LLMs, RAG, LangGraph, and real-time APIs, and contributing to system design discussions for production-grade platforms.
  - Represented the company at GITEX Dubai 2025, presenting SAS and AI solutions to enterprise and global stakeholders of various domains.

- **AI/ML Developer**

  (Computer Vision | Generative AI | LLM Agents | SAS Viya | End-to-End Delivery)

Delivered AI & SAS projects across Computer Vision, Generative AI, and AI agents, managing the lifecycle from client requirements to deployment.
  - Built private LLM agents for government clients using secure, on-prem infrastructure.
  - Developed Generative AI solutions for data analysis and visualization using Gemini, FastAPI, and web UIs.
  - Architected a computer vision system for pharmaceutical inspection achieving 95% defect detection accuracy.
  - Supported production AI initiatives including RFPs, demos, and technical documentation.
  - Contributed to data-driven pilot solutions using SAS Enterprise Guide, SAS Viya, and Visual Analytics to streamline customer reporting in secure environments.

SKILLS

- **Core Expertise:**   Agentic AI, Generative AI, Computer Vision, Solution Architecting, Product Engineering
- **Programming & Frameworks:**   Python, SQL, Base SAS, R, PyTorch, YOLO, Mediapipe, LangGraph, FastAPI, Angular, Node.js
- **LLMs & AI Tooling:**   Hugging Face, LlamaIndex, n8n, PandasAI, Prompt Engineering, RAG Systems
- **MLOps & Data:**   Docker, Kafka, Debezium, PostgreSQL, SAS Viya
- **Product & Collaboration:** System Design, Client Interaction, POCs, RFP Support, Cross-team Collaboration

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EDUCATION

Poornima University - 8.7CGPA

Bachelor of Computer Applications - AI&DS
  - Specialized in Artificial Intelligence and Data Science, with projects in Computer Vision, Natural Language Processing (NLP), and Audio Processing.

PROJECTS

OrchestR – AI Workflow Platform

Role: Founder | AI Architect | Full-Stack & Cloud Engineer

- *Project Description:* Designed and currently building an AI workflow orchestration platform to create, manage, and deploy agentic AI pipelines. The platform focuses on modular LLM workflows, extensibility, and scalable execution across use cases.
- *Role Description:* Owned end-to-end development including system architecture, AI workflow design, backend services, cloud infrastructure, DevOps pipelines, and full-stack integration. Defined product vision, technical roadmap, and implementation strategy independently.
- *Key Skills:* Agentic AI | AI Workflow Orchestration | LLM Pipelines | System Design | Cloud Architecture | DevOps | Full-Stack Development

Agentic AI for HRMS (SaaS)

Role: Solution Architect | AI Lead

- *Project Description: Designed* & currently building a SaaS-based Agentic AI platform for HRMS, enabling intelligent automation across recruitment, workforce insights, and decision support using LLM-driven agents.
- *Role Description:* Designed the overall solution architecture, AI system workflows, and cloud infrastructure. Led development of LLM agents, backend APIs, and data integrations while collaborating with frontend teams on product implementation.
- *Key Skills:* Agentic AI | HR Tech | LLM Systems | Solution Architecture | SaaS Design | Cloud Infrastructure | Backend APIs

Visual Quality Inspection Analytics (Pharmaceutical Manufacturing)

Role: AI Engineer | Contributing Solution Architect

- *Project Description:* Developed a computer vision–based quality inspection system to detect micro-defects in pharmaceutical glass vials under real-world manufacturing conditions, addressing compliance and accuracy limitations of manual inspection.
- *Role Description:* Contributed to system design and AI development, working on YOLOv10-based model training, algorithm refinement, and real-time image processing pipelines. Participated in solution design discussions covering camera setup, throughput considerations, and deployment constraints.
- *Key Skills:* Computer Vision | YOLOv10 | Image Processing | Real-Time Inference | Algorithm Design | Manufacturing AI | System Design

Real-Time Physiotherapy Monitoring System (Healthcare)

Role: AI Engineer | Computer Vision Lead

- *Project Description:* Built a real-time physiotherapy monitoring system to provide live feedback on patient posture and movement, improving therapy effectiveness through continuous pose analysis and performance tracking.
- *Role Description:* Designed and implemented computer vision algorithms for human pose detection, temporal tracking, and movement analysis using Mediapipe and classical ML models. Developed real-time feedback logic and an interactive PyQt-based application for clinical workflows.
- *Key Skills:*

UAE Business Compliance Portal

Role: Full-Stack Developer | Backend & Data Engineer

- *Project Description:* Developed an enterprise compliance portal for UAE government use, enabling document uploads, validation, analytics dashboards, and real-time monitoring of regulatory workflows.
- *Role Description:* Owned backend and data architecture, building REST APIs, data pipelines, and streaming workflows. Integrated OCR and PDF parsing services, implemented real-time processing with Kafka and Spark, and deployed containerized services on Azure.
- *Key Skills:* Full-Stack Development | Backend Architecture | Data Pipelines | Kafka | Apache Spark | OCR | Cloud Deployment | Azure