

ROHIT GUSAIN

Generative AI & ML Engineer | Programme Manager

+91 8130464346 | jhurohit@gmail.com | meetrohit.in | New Delhi, India

GitHub: github.com/i-am-rohit

PROFESSIONAL SUMMARY

Generative AI & Machine Learning professional with 5.5+ years of experience delivering AI-driven systems across LLMs, Computer Vision, NLP, and Data Analytics. Proven track record designing and deploying intelligent, production-grade solutions—from LLM-backed conversational agents and RAG pipelines to real-time video analytics using YOLO and OpenCV. Currently driving AI and digital transformation strategy as Programme Manager at VLCC Healthcare. Seeking to transition into a full-time Generative AI / ML Engineering role where I can leverage deep technical expertise and end-to-end project ownership.

TECHNICAL SKILLS

GenAI / LLMs: Large Language Models, Prompt Engineering, RAG Pipelines, AI Agents, LangChain, LangGraph, OpenAI API

AI / ML: Machine Learning, Deep Learning, NLP, Computer Vision (YOLO, DeepSORT, OpenCV, dlib), Scikit-learn, TensorFlow, Keras

Programming & APIs: Python, SQL, REST APIs, Django, FastAPI, Backend Development

Data & BI: Power BI, Tableau, Looker, Pandas, NumPy, Excel, Data Visualization, Time Series Analysis

Vector Databases & Tools: FAISS, ChromaDB (foundational), Git, Postman

Cloud - AWS (EC2, S3, Sagemaker, bedrock)

PROFESSIONAL EXPERIENCE

Programme Manager – AI & Digital Transformation | VLCC Healthcare Limited

June 2025 – Present

- Architected and deployed SWISS, an AI-powered video analytics platform leveraging YOLO, DeepSORT, and OpenCV to deliver real-time footfall analysis, staff monitoring, and customer behavior insights across retail outlets.
- Engineered Power BI dashboards integrated with SAP FI & MM modules, surfacing real-time KPIs on financial performance, inventory, and operations—reducing manual reporting effort by ~40%.
- Led end-to-end AI initiative scoping, vendor evaluation, and cross-functional stakeholder alignment to drive adoption of ML-based solutions across healthcare operations.

Data Analyst | SISL Infotech Private Limited

January 2025 – May 2025

- Developed an automated PDF-to-structured-data pipeline using Python and NLP techniques, enabling large-scale document digitization for CMO and PMO offices.
- Built and deployed REST APIs for scheme evaluation, integrating ranking models and time series forecasting to surface policy performance insights for government decision-makers.
- Improved data extraction accuracy by ~30% through iterative model tuning and validation pipelines.

Senior Analyst (Onsite – Google India) | GlobalLogic Technologies

August 2020 – February 2024

- Contributed to Google Knowledge Panel and Search Generative Experience (SGE) projects, analyzing large-scale structured and unstructured data using SQL, Looker, and statistical methods.
- Designed and maintained KPI tracking frameworks that drove data quality improvements and delivered actionable insights to Google product teams.
- Automated recurring analytical workflows, reducing manual processing time by ~25% and improving reporting consistency across teams.
- Collaborated with cross-functional teams on data governance and quality assurance for high-visibility Google search features.

Software Engineer – AI / NLP | Prakhar Software Solutions Private Limited

June 2019 – March 2020

- Designed and deployed an NLP-powered HR chatbot using Rasa and spaCy, automating interview scheduling and candidate screening workflows—reducing recruiter workload by ~35%.
- Improved chatbot intent recognition accuracy through iterative training data curation, feature engineering, and ML model refinement using Python and SQL.

KEY PROJECTS

SWISS – AI Video Analytics System

- Real-time workforce monitoring and footfall analytics platform built with YOLO, DeepSORT, and OpenCV; deployed across VLCC retail touchpoints for operational intelligence.

Shadon – LLM-Powered Voice & Chat Assistant

- Built a multimodal AI assistant using LLM APIs and Django supporting both voice and text interaction; demonstrates applied Generative AI and conversational agent design.

HR Chatbot (Rasa NLP)

- Automated HR screening workflows using Rasa-based conversational AI with custom NLP pipelines; reduced manual interview scheduling overhead significantly.

COVID-19 ML Analysis Dashboard

- Applied machine learning models to COVID-19 datasets to identify transmission patterns, forecast trends, and support data-driven public health decision-making.

EDUCATION

M.Tech – Artificial Intelligence | NIET | 2020 – 2022 | 84%

B.Tech – Electronics & Communication Engineering | Jamia Hamdard | 2015 – 2019 | 70%

CERTIFICATIONS

- Machine Learning – IBM
- Data Science – ExcelR
- Python & Machine Learning – CETPA
- AI Fundamentals and the Cloud - AWS