

Saksham Pathak: The GenAI Engineer Crafting Scalable, Impact-Driven AI Tools for the Real World

Young Developer, Creator, and AI Engineer Using GPT-4, LangChain, and Hugging Face to Build Explainable AI



Lucknow, Uttar Pradesh Jul 14, 2025 ([IssueWire.com](https://www.issuewire.com)) - **Saksham Pathak**, a rising GenAI engineer from India, is making waves in the artificial intelligence space by building intelligent, scalable tools that apply Generative AI to solve real-world challenges. Currently pursuing his **M.Sc. in Artificial Intelligence and Machine Learning** at **IIIT Lucknow**, Saksham is known for blending prompt

engineering, advanced NLP pipelines, and vector databases into usable, explainable AI systems.

With a strong online presence under both his real name and his alias [Parthmax](#), Saksham brings together a unique fusion of creator energy and engineering depth. His projects are widely available on [Hugging Face](#), [GitHub](#), and have earned recognition in developer and academic circles alike.

His most acclaimed contribution is **FALCON**, an AI-powered fake news analysis platform. FALCON performs multi-stage GenAI inference using GPT-4, LangChain, Wikipedia, and Serper API to classify, interpret, fact-check, and generate a confidence score for claims — offering a powerful tool in the fight against misinformation.

Beyond that, Saksham has deployed **FaceAging-AI**, a computer vision project on Hugging Face Spaces that simulates age progression using advanced facial recognition and synthesis techniques. His latest work, the **Watershed Intelligence System**, utilizes a **Gemini-powered chatbot**, FAISS-based vector search, and **Plotly dashboards** to deliver city-level planning insights to farmers and researchers.

What sets Saksham apart is not just his technical toolkit — which includes **GPT-4**, **LangChain**, **FAISS**, **LoRA fine-tuning** on **Flan-T5/GPT-2**, and **FastAPI** — but also his philosophy: “**AI should be explainable, ethical, and impactful.**”

As a content creator with over **100K+ followers** on platforms like [Instagram \(@parthmax_\)](#), [YouTube](#), and with an **IMDB profile** for his multimedia contributions, Saksham bridges the gap between storytelling and systems design — something that reflects in the intuitive and human-first nature of his GenAI products.

“I believe GenAI should not just generate content—it should generate clarity, trust, and solutions,” says Saksham. “That’s what I aim to build: intelligent systems with empathy and purpose.”

Whether it’s building Retrieval-Augmented Generation (RAG) workflows, designing API-first backends, or shipping explainable AI apps to Hugging Face and GitHub, **Saksham Pathak represents the next generation of AI engineers leading from India.**

About Saksham Pathak:

Saksham Pathak is a GenAI engineer and MSc AI/ML student at IIIT Lucknow. He builds real-world AI systems using GPT-4, LangChain, Hugging Face, and FastAPI. Also known as "Parthmax" online, he blends creativity and code to ship usable, ethical, and impactful AI products.



Media Contact

Singh Press

*****@gmail.com

Source : Singh Press

[See on IssueWire](#)