

Somesh Shukla

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EXPERIENCE

Generative AI Engineer <i>Finkraft</i>	Oct 2025 – Present Bengaluru, Karnataka
<ul style="list-style-type: none">Engineered an automated data correction pipeline leveraging Retrieval-Augmented Generation (RAG), which utilized a FAISS vector database built from historical, correct data; this system enabled a Generative AI model to cross-reference and rectify parsing inaccuracies, boosting overall data accuracy from 30% to 99%.Architected an autonomous email workflow agent utilizing a RAG pipeline and FAISS index; the system autonomously drafted context-aware responses and managed intelligent escalation paths without human intervention.Engineered a NotebookLM style AI research assistant for private document analysis, enabling conversational Q&A and the automated generation of complex, source-grounded documents like PRDs.Developed an AI data analyst bot interfacing with a PostgreSQL database; the bot utilizes an LLM to convert natural language queries into executable SQL and generate dynamic visualization code (Matplotlib/Plotly), enabling on-demand analytics in various formats.	
Generative AI Engineer Intern <i>Duco Consultancy</i>	Jul 2025 – Aug 2025 Gurugram, Haryana
<ul style="list-style-type: none">Developed a full-stack hospital management website from scratch, integrating an AI-powered patient assistant with secure, RAG-based access to medical records for personalized support.Engineered the AI assistant with autonomous agents (tools) to automate appointment scheduling and integrated wearable device APIs for real-time patient health tracking.	
Software Engineer Intern <i>Meta XR</i>	Apr 2024 – Sep 2024 Kolkata, West Bengal
<ul style="list-style-type: none">Developed an AI-driven VR interview platform in Unreal Engine featuring interactive, AI-powered MetaHumans.Engineered agentic capabilities for interviewers using the Convai SDK, scripting complex conversational logic and interactions via C++ and Blueprints.	

PROJECTS

AI-Powered Virtual Interview Assistant	Apr 2024 – Sep 2024
<ul style="list-style-type: none">Architected an intelligent interview automation system using conversational AI models and natural language processing to conduct dynamic, context-aware candidate assessments.Implemented multi-modal AI agents with speech recognition, sentiment analysis, and real-time response generation, leveraging Convai SDK for seamless human-AI conversation flows.	
AI Data Analyst Bot	Oct 2025 – Nov 2025
<ul style="list-style-type: none">Developed an AI-powered data analyst bot that converts natural language queries into executable Python code for real-time data visualization using libraries like Plotly and Matplotlib.Engineered an LLM-driven "Text-to-Code" pipeline to interpret user analytics requests, determine optimal visualization types, and generate the corresponding code automatically.	

EDUCATION

Chandigarh Engineering College <i>Bachelor of Technology</i>	Chandigarh 2021 – 2025
Kendriya Vidyalaya IIM LKO <i>Physics, Maths and CS</i>	Lucknow 2019 – 2020

TECHNICAL SKILLS

Languages: Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, Bash/Shell

Frameworks: React, Node.js, Flask, FastAPI, Pytest, Express.js

Developer Tools: Git, Docker, Postman, Linux, GitHub Actions, Google Cloud Platform (GCP), AWS

Libraries: LangChain, LangGraph, FAISS, Transformers, PyTorch, scikit-learn, pandas, NumPy