

Sudarshan Lakshate

Bhosari, Pune, MH | P: [9011779747](#) | [Website](#) | [GitHub](#) | [LinkedIn](#) | [Gmail](#)

PROFESSIONAL SUMMARY

Senior AI Annotation Engineer with hands-on experience building **Generative AI systems, Agentic AI workflows, ML/DL models, RAG pipelines, and MLOps deployments**. Skilled in developing scalable AI applications, orchestrating ML pipelines, fine-tuning LLMs, and integrating multimodal models. Background includes **2 years of end-to-end AI/ML pipeline support**, model evaluation, vector database optimization, and automating analytics workflows. Proven ability to convert business problems into intelligent, production-ready AI solutions.

WORK EXPERIENCE

Eligarf Technologies PVT LTD

Magarpatta, Hadapsar
Dec 2023 to 28th Nov 2025

Senior AI Annotation Engineer

- Designed and deployed end-to-end AI solutions in **Machine Learning, Deep Learning, Generative AI, Agentic AI, and Reinforcement Learning** for enterprise applications.
- Built and managed **MLOps** pipelines using MLflow, Airflow, Docker, and Kubernetes, automating model training, deployment, and monitoring.
- Engineered **OfficeBuddy**, a GenAI-powered internal assistant using RAG over Slack + Confluence, reducing manual search by **90%**.
- Created Generative AI applications using LLMs, LangChain, and Hugging Face Transformers, integrating RAG pipelines and vector databases (FAISS, Pinecone) for improved context and scalability.
- Monitored key operational metrics: **Shrinkage %, Availability %, SLA Adherence, Idle Time, and Break Compliance**.
- Achieved **97%+ quality benchmarks** while supporting the team with AI/tech queries via Slack and managing IT ticket escalations.
- Acted as a communication bridge between team lead and team members—**resolving issues & Escalations, reviewing QA audits, and stabilizing workflows**.

PROJECTS

1. GenAI - OfficeBuddy - Employee Assistant Chatbot - Eligarf Technologies PVT LTD (2025) (AWS)

- RAG-based AI assistant enabling enterprise-wide knowledge search across Slack + Confluence with semantic retrieval.

2. VBA - Automation of Job Assignment System (Excel + VBA) (2023) – WNS Global Services

- Built an Excel-VBA tool at WNS Global Services to automate Team Leads task of job assignment from CSV files, categorize tasks by TAT, and minimize manual errors and missed deadlines.

3. GenAI - Suggestify — Recommendation Assistant (Streamlit Cloud)

- AI system recommending personalized movies, books, podcasts, etc., deployed on Streamlit Cloud. **saving users time by removing endless scrolling**.
- Give it a TRY:** <https://masterrecommender.streamlit.app/>

4. GenAI - AudioScribe - Automated Audiobook Creation Platform (Docker)

- Automates audiobook creation from PDFs using TTS models; containerized for scalable deployment.
- Give it a TRY:** [Docker Image](#) : docker pull sudsak/audioscribe-app
- docker run -p 8501:8501 -e OPENAI_API_KEY="sk-proj" audioscribe-app

5. ML - Financial-Risk-Intelligence-Platform – (XGBoost, LightGBM, Random Forest, AWS, FastAPI)

- Integrated fraud detection + loan default prediction using XGBoost, LightGBM, RFC with FastAPI.
[Readme.md](#)

Project Status: [ClickUp](#)

6. DL - AutoVision - LPR – (YOLOv8 / YOLOv10 (Ultralytics), OpenCV, Tesseract, PyTorch)

- Full LPR pipeline using YOLO detection + TrOCR OCR with modular MLOps pipeline.
[Readme.md](#)

Project Status: [ClickUp](#)

7. AgenticAI - DataPilot AI – (YData-Profiling, LangChain, LangGraph, OpenAI, FastAPI)

- Performs automated EDA, cleaning, feature engineering, and ML model training via autonomous AI agents.
[Readme.md](#)

Project Status: [ClickUp](#)

8. LLM - DharmaAI — Fine-Tuned LLM for Indian Historic & Cultural Texts (ByT5-small, mT5/Qwen-7B)

- Custom ByT5/mT5/Qwen-based system for OCR correction, Sanskrit QA, and summarization.
[Readme.md](#)

Project Status: [ClickUp](#)

9. Data Science - Customer_360_Analytics

- Built segmentation, RFM, CLV, and cohort analysis pipeline for customer intelligence.
[Readme.md](#)

Project Status: [ClickUp](#)

10. GenAI - HyperCreate AI Studio – (OpenAI TTS, Diffusion Models, LangChain, LangGraph)

- Integrated LLMs, diffusion models, TTS, and multimodal chains for full-stack content generation workflows.
[Readme.md](#)

Project Status: [ClickUp](#)

11. Image Captioning with Deep Neural Networks (2023)

- Developed an image captioning model in Python using CNNs for image processing and LSTMs for generating natural language descriptions.

TECHNICAL SKILLS

- **Machine Learning & Deep Learning:** Model design, supervised & unsupervised learning, neural network architecture, model training, hyperparameter tuning, optimization, transfer learning, evaluation metrics
- **Generative & Agentic AI:** LLM fine-tuning, RAG pipelines, autonomous agent design, multi-agent frameworks, knowledge graph integration, prompt engineering, context retrieval, conversational AI
- **Reinforcement Learning:** Policy gradient methods, Q-learning, reward modeling, simulation environments, decision optimization, real-time strategy learning
- **MLOps:** End-to-end ML pipelines, model deployment, CI/CD automation, Docker, Kubernetes, MLflow, model versioning, monitoring, retraining workflows, production scalability
- **Natural Language Processing (NLP):** Text embeddings, semantic search, vector databases (FAISS, Chroma), Transformers, tokenization, NER, sentiment analysis, language modeling
- **Data Engineering:** ETL/ELT pipelines, data ingestion, preprocessing, feature engineering, data validation, workflow orchestration (Airflow)
- **Programming & Tools:** Python, SQL, PyTorch, TensorFlow, LangChain, LangGraph, Hugging Face, FastAPI, REST APIs, Streamlit, Git, GitHub, Power BI, Excel
- **Cloud & DevOps:** AWS (SageMaker, Bedrock, Lambda), GitHub Actions, containerization, CI/CD

EDUCATION

Dr. D.Y. Patil Polytechnic, Akurdi, Pune

Diploma In Computer Engineering – 64.00%

2018

Siddhant Collage of Engineering

Bachelor of Engineering in Computer Science

2023

Cumulative GPA: 8.70/10

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

INTERESTS

Learning new technologies (e.g., **Quantum Computing**)

Reading

Music production and listening

Strategical Thinking & Planning