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# Sudarshan Lakshate

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## ## PROFESSIONAL SUMMARY

Senior AI Annotation Engineer with extensive experience in designing and deploying Generative AI systems, Agentic AI workflows, ML/DL models, RAG pipelines, and MLOps deployments. Proficient in developing scalable AI applications, orchestrating ML pipelines, fine-tuning LLMs, and integrating multimodal models. Offering 2 years of comprehensive experience in AI/ML pipeline support, vector database optimization, and automated analytics workflows. Demonstrated ability to translate complex business challenges into intelligent, production-ready AI solutions.

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## ## WORK EXPERIENCE

### Eligarf Technologies PVT LTD, Magarpatta, Hadapsar

\*\*Senior AI Annotation Engineer\*\*

\*Dec 2023 - Nov 2025\*

- Led the design and deployment of end-to-end AI solutions encompassing Machine Learning, Deep

Learning, and Generative AI for enterprise-level applications.

- Developed and managed MLOps pipelines using MLflow, Airflow, Docker, and Kubernetes for automating model training, deployment, and monitoring.
- Engineered OfficeBuddy, a GenAI-powered internal assistant utilizing RAG over Slack and Confluence, enhancing knowledge retrieval efficiency by 90%.
- Created advanced Generative AI applications integrating LLMs, LangChain, and Hugging Face Transformers with RAG pipelines and vector databases like FAISS and Pinecone for enhanced scalability and context.
- Achieved 97% quality benchmarks while addressing AI/technology queries and managing IT ticket escalations.
- Facilitated effective communication between team leads and members by resolving issues, reviewing QA audits, and stabilizing workflows.

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## ## PROJECTS

### 1. \*\*GenAI - OfficeBuddy\*\*

RAG-based AI assistant for enterprise-wide knowledge search using Slack and Confluence with semantic retrieval.

### 2. \*\*VBA - Automation of Job Assignment System (WNS Global Services)\*\*

Automated task assignment process using Excel and VBA, reducing manual errors and improving task categorization by TAT.

### 3. \*\*GenAI - Suggestify\*\*

Developed an AI system for personalized recommendations (movies, books, podcasts) deployed on Streamlit Cloud.

4. **\*\*GenAI - AudioScribe\*\***

Automated audiobook creation from PDFs using TTS models, containerized for scalable deployment.

5. **\*\*ML - Financial-Risk-Intelligence-Platform\*\***

Integrated fraud detection and loan default prediction using XGBoost, LightGBM, and FastAPI.

6. **\*\*DL - AutoVision - LPR\*\***

Developed a full LPR pipeline with YOLO detection and TrOCR OCR, incorporating a modular MLOps pipeline.

7. **\*\*AgenticAI - DataPilot AI\*\***

Automated EDA, data cleaning, feature engineering, and ML model training using autonomous AI agents.

8. **\*\*LLM - DharmaAI\*\***

Fine-tuned LLMs for Indian historic and cultural texts, incorporating OCR correction, Sanskrit QA, and summarization.

9. **\*\*Data Science - Customer\_360\_Analytics\*\***

Developed pipeline for customer segmentation, RFM, CLV, and cohort analysis.

10. **\*\*GenAI - HyperCreate AI Studio\*\***

Integrated LLMs, diffusion models, TTS, and multimodal chains for full-stack content generation workflows.

## 11. \*\*Image Captioning with Deep Neural Networks\*\*

Built an image captioning model utilizing CNNs and LSTMs for generating natural language descriptions.

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## ## TECHNICAL SKILLS

- \*\*Machine Learning & Deep Learning:\*\* Model design, neural network architecture, hyperparameter tuning, optimization, transfer learning.
- \*\*Generative & Agentic AI:\*\* LLM fine-tuning, RAG pipelines, multi-agent frameworks, conversational AI.
- \*\*MLOps:\*\* End-to-end ML pipelines, CI/CD automation, Docker, Kubernetes, MLflow.
- \*\*Cloud & DevOps:\*\* AWS services, containerization, CI/CD.
- \*\*NLP:\*\* Text embeddings, semantic search, Transformers, vector databases.
- \*\*Data Engineering:\*\* ETL/ELT pipelines, workflow orchestration.
- \*\*Programming & Tools:\*\* Python, SQL, PyTorch, TensorFlow, LangChain, FastAPI, Streamlit.

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## ## EDUCATION

\*\*Bachelor of Engineering in Computer Science\*\*

Siddhant College of Engineering, 2023

Cumulative GPA: 8.70/10

**\*\*Diploma in Computer Engineering\*\***

Dr. D.Y. Patil Polytechnic, Akurdi, Pune, 2018

Percentage: 64.00%

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## **## INTERESTS**

- Exploring new technologies (e.g., Quantum Computing)
- Reading
- Music production and listening
- Strategic Thinking & Planning

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## **### Revisions and Additions**

- Highlighted leadership and design aspects aligning with the role's emphasis on architectural thinking and technical leadership.
- Emphasized experience with end-to-end AI solutions, MLOps pipelines, and multi-agent frameworks.
- Incorporated soft skills and leadership attributes as per the JD's focus on leading high-performing teams and translating business problems into AI solutions.
- Added project descriptions to emphasize hands-on experience in building scalable and context-aware AI systems.

- Retained focus on existing skills while suggesting integration with Databricks-related technologies and governance frameworks based on the JD analysis.

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