

# Harsh Dinde

SOFTWARE ENGINEER | GENERATIVE AI

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GitHub - <https://github.com/HarshDindeAI>

## Objective

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Seeking a challenging Software Engineer position focused on Generative AI and cutting-edge cloud technologies, leveraging hands-on experience in Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Python, and Azure to contribute to innovative projects and drive technical solutions.

## Experience

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Equations Work | Software Engineer/Trainee Software Engineer | Pune January 2024 – Present

- Delivered 10+ AI POCs across NLP and multi-modal domains.
- Fine-tuned LLMs on custom data, boosting task accuracy by up to 80%.
- Built interactive React.js frontends to demo AI capabilities.
- Generated synthetic data to enhance model training and reduce overfitting.
- Deployed RAG apps with OpenAI, Hugging Face, Ollama, and LMStudio, improving response relevance by 90%.
- Worked with vector DBs like ElasticSearch, PGVector, Azure AI Search, and FAISS for semantic search.
- Used LangChain, langgraph, llamaindex, and cerwai for intelligent workflow orchestration.
- Built multi-modal AI systems to speed up info retrieval and document processing.
- Designed scalable, cloud-based backends using Azure services.
- Integrated AI search via Azure AI Search to enhance data discovery.
- Used Docker to containerize and deploy apps efficiently.
- Hands on experience in production level MCP servers for NLQ operations.
- AWS Databricks for driving insights from client's raw data.
- Work experience in agile format.

## Education

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Tatyasaheb Kore Institute of Engineering and Technology | B.Tech. Computer Science 2024

Major: Computer Science | GPA: 8.7

Relevant Coursework: Software Development, Data Structures, Algorithms, Database Management, Machine Learning, Cloud Computing.

## Project

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### Agentic RAG

A modern web application that combines RAG (Retrieval-Augmented Generation) with agentic capabilities for intelligent document processing and querying.

GitHub - <https://github.com/HarshDindeAI/AgenticRAG>

## Skills & abilities

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### Programming & AI/ML:

Python, Generative AI, Large Language Models (LLMs), Prompt Engineering, RAG, Lang Chain, llama index, Lang graph, Document Processing, Computer Vision, Deep Learning, Machine Learning

### Frameworks & Tools:

AutoGen, TaskWeaver, Azure OpenAI API, Claude API, Gemini API, Ollama , API Gateways , Hugging Face Models, ElasticSearch, FAISS, OpenSearch, PGVector, Docker, Git

### Cloud & Database:

Azure Services, Azure OpenAI Search, SQL, Database Design, Cloud Infrastructure

Software Development: Back-end Development, Software Development Lifecycle, Data Structures, Algorithms

### Other Skills:

Problem Solving, Collaboration, Communication

## Language

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- Marathi (Native)
- Hindi (Native)
- English (Professional Proficiency)

## Hobbies

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- Enjoy watching anime, especially story-driven and action-packed series
- Passionate about football – both watching and playing
- Play Valorant and other tactical shooters for fun and skill-building

## Certifications

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- AWS Generative AI
- AWS Machine Learning
- Databricks (in progress)