OMKAR S DEVADAS

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PROFILE

I am actively seeking a challenging and collaborative team environment where I can leverage my technical skills and adaptability while fostering my passion for innovation. I am eager to contribute to meaningful projects, learn from experienced professionals, and pursue continuous growth, all in the pursuit of. a successful and fulfilling career.

SKILLS

- **Machine Learning and AI:** Generative AI , Machine Learning ,Deep Learning, NLP ,RAG
- **AI/GenAI Frameworks** : LangChain, Pinecone, Groq LLM, Google GenAI Embeddings
- **Programming Languages:** Python, Java, SQL
- **Frameworks & Libraries:** Numpy,Pandas ,Django,Flask,TensorFlow, Keras,NLTK,Matplotlib,Seaborn
- **Web Development:** HTML5, CSS3, Bootstrap JavaScript

PROJECTS

WIKIPEDIA CHATBOT

Technologies: Python, Flask, LangChain, Groq LLM, Pinecone, Google GenAI Embeddings

- Built an AI-powered chatbot that answers sports and health queries by retrieving information from local PDFs and Wikipedia.
- Implemented semantic search using Pinecone vector store with Google GenAI embeddings and used LLM-based synthesis to generate accurate and contextual responses.

AI MEDICAL ASSISTANT

- Technologies: Python, Flask, LangChain, Groq LLM, Pinecone, Google GenAI Embedding
- Built an AI medical assistant using a RAG pipeline to answer clinical queries.
- Implemented document ingestion, chunking, and Google GenAI embeddings with Pinecone for fast semantic search. Integrated LangChain with Groq LLM to generate reliable responses and deployed the system as a Flask API for real-time query handling.

MOVIE RECOMMENDATION SYSTEM

Technologies: Python, Flask, HTML, CSS, Bootstrap, Pandas, NLTK, scikit-learn

- Built a content-based movie recommendation system using NLP techniques and NLTK for preprocessing movie data such as genres, overviews, and keywords.
- Calculated using cosine similarity on processed textual features to suggest. similar movies.

SKIN DISEASE PREDICTION USING ML AND DL

Technologies: Python, Flask, TensorFlow, Keras, HTML, CSS, Bootstrap, NumPy,Pandas

- Developed a Flask web application for skin disease prediction using a CNN model trained on the HAM10000 dataset.Enabled image uploads and real-time classification into seven skin lesion types.
- Designed a responsive UI to display predictions, class probabilities, and related medical details.

EDUCATION

M S Ramaiah Institute of Technology , Bengaluru
Master of Computer Application (MCA) , CGPA : 8.25 — Sept 2025

Bapuji Institute of Hi-Tech Education, Davanagere
Bachelor of Computer Applications (BCA) , CGPA : 8.44 — Sept 2023

CERTIFICATIONS

- Python Django -The Practical guide | Certificate
- Complete Data Science,Machine Learning,DL,NLP Bootcamp. | Certificate