OMKAR S DEVADAS

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PROFILE

Enthusiastic fresher with strong problem-solving skills and hands-on experience in Machine Learning, Deep Learning, Generative AI, and full-stack development. Skilled in Python, Java, SQL, Flask, Django, TensorFlow, and DSA with a passion for building intelligent, real-world applications.

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.

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 content similarity 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, Matplotlib

- 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.

BLOG PLATFORM

Technologies: Python, Django, HTML, CSS, Bootstrap, SQLite.

- Built features for user authentication, role-based access, and personalized content management.
- Integrated a commenting system to enhance user engagement.

EDUCATION

M S Ramaiah Institute of Technology , Bengaluru
Master of Computer Application (MCA) | July 2025 | CGPA 8.25 |

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

SKILLS

- **Machine Learning and AI:** Generative AI , Machine Learning ,Deep Learning, NLP
- **Programming Languages:** Python, Java, SQL, Javascript
- **Frameworks & Libraries:** Django, Flask, Bootstrap, TensorFlow, Keras, scikit-learn, NLTK
- **Web Development:** HTML5, CSS3, Bootstrap, JavaScript

CERTIFICATIONS

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