Balaji D

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Professional Summary

I am a passionate and skilled AI/ML Developer with experience in machine learning, deep learning, and computer vision. I love using new technologies to create practical solutions that address real-world challenges. I have hands-on experience designing and deploying machine learning models that are efficient and scalable. I'm comfortable working with popular tools and languages like Python, TensorFlow, PyTorch, and Keras. I enjoy collaborating with diverse teams and consistently delivering high-quality work in fast-paced settings. I'm excited to apply my skills in AI/ML to make a meaningful impact in technology.

Skills

- **Core AI/ML Competencies:** Machine Learning (Supervised, Unsupervised, Reinforcement Learning), Deep Learning (CNNs, RNNs), Computer Vision (OpenCV)
- **Languages:** Python, Java, C
- **Libraries & Frameworks:** TensorFlow, PyTorch, Keras, Scikit-learn, Django, Flask

Education

- **10th Grade, Stella Maris Matriculation Hr. Sec. School, Udumalpet** **Year of Completion: 2020**
  Percentage: 62%
- **12th Grade, Stella Maris Matriculation Hr. Sec. School, Udumalpet** **Year of Completion: 2022**
  Stream: (Arts And Computer Application) *Percentage: 62%*
- **Sree Saraswathi Thyagaraja College, Pollachi** **Aug 2022 - Present**
  BSc Artificial Intelligence And Machine Learning **CGPA: 62.7%**

Project Work

- **Multi PDF chatbot AI Agent App(2024):** Developed a chatbot application for efficient interaction with multiple PDFs. Implemented automatic text extraction from uploaded PDF documents. Utilized Langchain for AI-driven document processing and Google Gemini 1.5 for real-time question-answering. Integrated FAISS Vector DB for efficient document content storage and retrieval. Built the user interface with Streamlit for an intuitive, easy-to-use experience. Python, Langchain, Google Gemini 1.5, FAISS, Streamlit.

- **Medical Recommendation System using Machine Learning in Flask (2024):** Developed a medical recommendation system to provide personalized health advice based on user inputs. Implemented machine learning algorithms to predict conditions and suggest treatments. Built the application using Flask for a lightweight, easy-to-deploy web interface. Python, Flask, Machine Learning Algorithms.

Certificates

- **Data Mining (NPTEL)** *Percentage: 62%*
- **Database Management System(NPTEL)** *Percentage: 48%*