PRAVEEN B S

Bengaluru, Karnataka

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EDUCATION

UNIVERSITY OF MYSORE, DOS in CS, Manasa Gangotri, Mysuru **2022 – 2024**
*M.Sc - Computer Science - **CGPA** - 8.7* *Mysuru, Karnataka*

YUVARAJA'S COLLEGE OF MYSORE, University of Mysore, Mysuru **2019 – 2022**
*B.Sc – Physics, Mathematics, Computer Science - **CGPA** - 8.4* *Mysuru, Karnataka*

COURSEWORK / SKILLS

- Machine Learning
- C Programming
- C++
- JAVA
- Computer Vision
- Natural Language Processing
- Database Management System (DBMS)
- Artificial Intelligence

PROJECTS

Coconut Maturity and Paddy Variety Classification Using ML Approaches ⎆ | Python
Classical Machine Learning, Feature Extraction Methods, Feature Scale **08 2024**

- Developed and deployed a computer vision-based system for coconut maturity detection using YOLO.
- Built a paddy variety classification model using classical machine learning techniques (SVM, KNN, Random Forest) with feature extraction (LBP, GLCM) and scaling methods.
- Achieved 92% and 95% accuracy, respectively, empowering farmers with data-driven insights to enhance crop quality assessment.

CURA - AI-Powered Health Care Chatbot using NLP ⎆ | HTML, CSS, JavaScript, Python
NLP, TF-IDF, Cosine Similarity **02 2025**

- Developed an AI-powered healthcare chatbot to provide medical advice and medication recommendations based on user queries.
- Built the front-end using HTML, CSS, and JavaScript for an interactive user experience.
- Implemented Natural Language Processing (NLP) techniques with TF-IDF vectorization and cosine similarity for accurate query matching.
- Integrated the chatbot with a predefined dataset to suggest relevant diseases, medical advice, and recommended medications.
- Live site here

TECHNICAL SKILLS

Languages: Python, C++, Java, C, SQL
Data Science & AI: Machine Learning, Data Preprocessing, Feature Engineering, Model Evaluation
Natural Language Processing: Text Tokenization
Computer Vision & Image Processing: OpenCV, YOLOv8, Feature Extraction
Data Analytics & Visualization: Pandas, NumPy, Matplotlib
Technologies/Frameworks: HTML5, CSS3, JavaScript
Developer Tools: VS Code, PyCharm, Google Colab, Jupyter Notebook, Dev-C++, Android Studio

CERTIFICATIONS

- Python for Data Science - Great Learning Academy
- Artificial Intelligence fundamentals - Great Learning Academy
- Power BI projects - Great Learning Academy

EXTRACURRICULAR

- Enthusiastic about research in AI and computer vision
- Preparing project papers for publication