Raju S

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Summary

Motivated and detail-oriented MCA graduate specializing in Artificial Intelligence and Data Science. Strong foundation in Python, Machine Learning, and data analysis with hands-on experience in real-world and research projects. Eager to apply skills in a dynamic team to solve complex problems using AI-driven solutions. Passionate about continuous learning, research, and building scalable data-driven applications

Education

Master of Computer Applications (AI and Data Science) 2023 – 2025

Amrita Vishwa Vidyapeetham, Mysuru — CGPA: 8.03/10

Bachelor of Computer Applications (Data Science) 2020 – 2023

Amrita Vishwa Vidyapeetham, Mysuru — CGPA: 7.36/10

12th – Science Stream 2019 – 2020

SVIC Jnanodaya Pre-University College, Mysuru — 74.66%

10th – SSLC 2017 – 2018

Pragathi Vidya Kendra, Mysuru — 88.32%

Projects

Seashell Classification Using Deep Learning Models

- Developed a deep learning model with TensorFlow and Keras to classify seashells, achieving 99.4% accuracy.
- Evaluated model efficiency using precision-recall and confusion matrix metrics.

Diamond Price Prediction

- Developed a regression model using Scikit-Learn to predict diamond prices based on multiple attributes.
- Applied feature engineering and data visualization using Pandas, Seaborn

Obstacle Detection System for Autonomous Vehicles

- Designed and implemented a real-time obstacle detection system using OpenCV and Python.
- Integrated object detection algorithms to enhance accuracy and performance.
- Tested and validated the system using real-world simulation environments.

Technical Skills

Languages: Python, Java, SQL

Machine Learning & AI: TensorFlow, Keras, Scikit-Learn

Data Analysis and Visualization: Pandas, NumPy, Matplotlib, Seaborn, Excel, Power BI, Tableau

Development Tools: Jupyter Notebook, Google Colab

Other Skills: Data Preprocessing, Feature Engineering, Model Evaluation, EDA, Problem Solving, Adaptability

Publications

Classification of Seashells Using Deep Learning Models Dec 2024

Developed a deep learning-based seashell classification system using SENet and InceptionNet-V3, achieving 99.46% accuracy. DOI : 10.1109/DELCON64804.2024.10866992

Certifications

Python for Data Science, AI and Development - IBM (Coursera) Aug 2024

Data Analytics and Visualization Job Simulation - Forage Nov 2024

Classify Images with TensorFlow on Google Cloud - Google Cloud Feb 2025