NITHIN GOWDA K N

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Technical Skills

Languages and DataBases: Python, C++,C#, C, SQL.
Visualization Tools: Tableau, Power BI.
Other Skills: Machine Learning, Deep Learning, Data Analysis, Data Structures, Computer Vision.

Experience

Dr Ali's Denta Care   Dec 2023 – Feb 2024
Intern/Freelance   *Bengaluru, India*

- Conducted data collection, cleaning, and image annotation for dental x-ray images.
- Utilized YOLO and Detectron2 frameworks for object detection in dental imaging.
- Trained and fine-tuned object detection models to improve accuracy.
- Implemented image preprocessing techniques to enhance model performance.
- Collaborated with dental professionals to understand and meet project requirements.

Amrita Vishwa Vidyapeetham   Feb 2024 – July 2024
Assistant professor   *Mysore, India*

- Taught courses on Data Structures, Analysis and Design of Algorithms, and Artificial Intelligence.
- Conducted practical labs in Data Structures, Problem Solving, DBMS, and Python.
- Developed and delivered comprehensive lesson plans and assessments.
- Guided students through hands-on projects and coding assignments.
- Provided academic support and mentorship to students, fostering a positive learning environment.

Personal Projects

Black Spot Rose Leaf Disease Detection and Classification using Machine Learning.

- Performed data cleaning and image annotation to prepare datasets for black spot and fresh rose leaves.
- Trained YOLO object detection model for spot detection, followed by transfer learning and conventional machine learning for classification.

Banana species Identification and Grading.

- Segmented images of three banana species and three grading levels.
- Trained and evaluated a transfer learning model on the segmented banana dataset for accurate identification and grading.

Real-time Face Detection and Gaze Direction Classifier.

- Annotated dataset involving nine classification categories for face detection and gaze direction.
- Trained and evaluated a YOLO v8 model for real-time face detection and gaze direction classification.

Certifications

Python for Data Science | *Infosys Springboard*

Data Analysis with Python | *IBM Developer Skills Network*

Machine Learning with Python | *IBM Developer Skills Network*

Natural Language Processing for developers | *Infosys Springboard*

YOLOv8: Object Detection, Tracking & Web App in Python 2023 | *Udemy*

Education

University of Mysore   Jan 2022– Sep 2023
Masters of Science in Computer Science   *Mysore, Karnataka*
CGPA: 8.7

Yuvaraja's College   Jun 2018 – Oct 2021
Bachelors of Science in Computer Science   *Mysore, Karnataka*
CGPA: 8.2