

NITHIN GOWDA K N

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Personal Portfolio : <https://nithingowda-portfolio.netlify.app/>

Summary

A Data Scientist with hands-on experience in Machine Learning, Computer Vision, and Data Analysis. Demonstrated expertise in developing real-time predictive models and data-driven applications, supported by strong academic credentials and certifications. Adept at utilizing advanced techniques in object detection, deep learning, and data visualization to deliver impactful solutions.

Technical Skills

Languages and DataBases: Python, C++, C.

Visualization Tools: Power BI, Matplotlib, Seaborn.

Databases: MySQL, MongoDB.

Other Skills: Machine Learning, Deep Learning, Artificial intelligence(AI), Data Analysis, Data Structures, Computer Vision.

Experience

Dr Ali's Denta Care

Dec 2023 – Feb 2024

Freelance

Bengaluru, India

- Conducted data collection, data cleaning, and image annotation for dental x-ray images.
- Utilized YOLO and Detectron2 frameworks for object detection in dental imaging.
- Optimized and enhanced object detection models, driving accuracy to 91% through meticulous training and fine-tuning.
- 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.

Projects

Head Pose and Eye Gaze Detection

- Annotated dataset involving nine classification categories for Head pose detection and gaze direction.
- Trained and evaluated a YOLOv8 object detection model for real-time Head Pose and Eye Gaze Detection, attaining a 96% accuracy rate.

Whatsapp Chat Analyzer

- Cleaned and structured raw chat logs, extracting useful features such as message counts and user activity.
- Utilized visualization libraries like Matplotlib and Seaborn to create dynamic charts and graphs, providing detailed insights into chat patterns and user engagement.

Laptop Price Predictor

- Performed Data Preprocessing with feature engineering and built models using Gradient Boosting and Random Forest models to deliver predictive performance at 89%.
- Deployed the predictive model via Streamlit, providing real-time price estimates based on laptop specifications.

Movie Recommender System

- Created a movie recommender system using collaborative filtering and cosine similarity for personalized recommendations.

Certifications

- **Python for Data Science** | IBM
- **Data Analysis with Python** | IBM
- **Machine Learning with Python** | IBM
- **Deep Learning using Tensorflow** | IBM
- **SQL and Relational Databases** | Cognitive Class
- **Advanced SQL for Data Scientists** | LinkedIn Learning
- **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