

Anish Hegde

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About Me

Motivated and passionate undergraduate pursuing a B.E. in Artificial Intelligence and Machine Learning with a CGPA of 8.52. Skilled in developing AI/ML applications using YOLOv8, TensorFlow, and Streamlit. Strong interest in Natural Language Processing, computer vision, and IoT-based smart solutions. Quick learner with a teamwork mindset and a passion for solving real-world problems using technology.

Education

Bachelor of Engineering in Artificial Intelligence and Machine Learning *2022 – Jun 2026*
Sir M. Visvesvaraya Institute of Technology, Bangalore
CGPA: 8.52

Projects

Underwater Trash Detection [trashdetection](#) 

- Developed a real-time object detection system to identify underwater trash and marine life using YOLOv8 and custom datasets
- Trained on 4000 labeled images of trash and sea animals and deployed using Streamlit with OpenCV for video input

Farm to Folk [In Progress](#) 

- Built an IoT-enabled system to monitor soil parameters (N, P, K, temperature, humidity, pH, TDS).
- Trained a Decision Tree model to predict the most suitable crop based on real-time sensor data.
- Integrated the system with hardware sensors for automated data collection and real-time analysis

Vehicle Signals and Driver Gestures in Indian Traffic Environments [roboflow/traffic](#) 

- Built a YOLOv8-based model to detect vehicle signals and driver gestures in Indian traffic
- Trained on 5,000+ annotated images under diverse traffic and lighting conditions.
- aimed at improving road safety through automated gesture and signal recognition.

Skills

Languages: Python, C (Basics)

Databases: MySQL, MongoDB

Frameworks and Tools: Streamlit, Scikit-learn, TensorFlow, Keras, OpenCV

Machine Learning: Linear Regression, Logistic Regression, Decision Trees, K-Nearest Neighbors, Clustering

Deep learning: TensorFlow, Keras, Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Neural Networks

Certifications and Coursework

- Data Structures and Algorithms (DSA)
- Machine Learning and Deep Learning
- Python Programming and SQL
- Operating Systems, Computer Networks
- Workshops: Generative AI, Git, GitHub, Streamlit

Co-Curricular Activities and Achievements

- Part of the college cricket team that secured the Runner-up position in the VTU Bangalore North Division Cricket Tournament
- Member of the college drama club; acted in several plays and participated in various inter-college cultural events
- Secured 8th place in a state-level horticulture exhibition by showcasing over 400 medicinal plants and herbs during high school
- Participated in skill-development workshops on DSA, Git, Python, and Generative AI

HOBBIES

Cricket, Drawing, Singing, Travelling, Skill Development

LANGUAGES

Kannada(Native), English (Proficient), Hindi (Proficient)

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Date: 29.09.2024

Place: Bangalore