Yasasri Bharathi Bogadi

Vijayawada | bogadiyasasri@gmail.com | 9390801195 | www.linkedin.com/in/bogadiyasasri |

Profile

Third-year BTech student in Computer Science Engineering (AI & ML) with expertise in object-oriented programming (Java) , Python . Skilled in data analysis with Pandas and NumPy, Machine learning & Deep learning. Experienced in developing AI-driven solutions, including recommendation systems, deepfake detection, and multilingual recognition models. Strong problem solving, logical thinking, and public speaking abilities. Eager to apply technical skills in a real-world environment.

Technologies

- **Programming Languages:**
  - Python
  - Java (OOP)
  - C
- **Machine Learning & AI:** TensorFlow, OpenCV, Scikit-Learn, NumPy, Pandas
- **Tools & Others:** Google Colab, Jupyter Notebook, Git , SQL .

Education

2022 – 2026
Andhra Loyola Institute of Engineering & Technology , B.Tech in Computer Science (AI & ML)

- GPA: 8.2/10.0
- **Coursework:** Gained expertise in Machine learning, Deep learning, model training, optimization, and neural networks. Developed skills in NLP , data structures, and SQL. Experienced in software development using object-oriented programming (Java) and Python.

Experience

Computer Vision Intern, BIST TECHNOLOGIES 15 May 2024 - 12 July 2024

- Developed a hand gesture recognition system using OpenCV, leveraging contour detection and feature extraction for accurate classification.
- Built an innovative screen brightness control system based on hand gestures, enabling touch-free interaction through real-time image processing.
- Designed & implemented an invisible cloak effect using OpenCV, applying color detection and background subtraction techniques.

Machine Learning Engineer Intern, PRODIGY INFOTECH 1 July 2024 – 30 July 2024

- Developed a Hand Gesture Recognition System using deep learning to interpret various hand gestures for human-computer interaction.
- Built a Dog vs. Cat Classification Model using Support Vector Machines (SVM), optimizing model accuracy through data preprocessing and parameter tuning.
- Implemented a Customer Segmentation Model using K-Means clustering to analyze customer behavior and generate insights for business strategies.
- Worked on real-time gesture recognition applications, leveraging OpenCV and TensorFlow to enhance user interaction.

Projects

Hand Gesture-Based Screen Brightness Control

- • Designed a system that adjusts screen brightness based on hand gestures, utilizing real-time computer vision techniques.
- Tools used: Python, OpenCV.

Invisible Cloak using OpenCV

- Created a real-time invisibility effect by detecting and replacing a specific color with a static background frame.
- Tools used: Python, OpenCV, Jupyter Notebook

Movie Recommendation Syatem Based On Emotion 2002

- Developed an AI-powered recommendation system that suggests movies based on user's emotions.
- Tools used: Python, Flask, HTML, CSS

Technologies

Languages: C, Java, SQL, Python

Technologies: TensorFlow, OpenCV, Scikit-Learn, MediaPipe, NumPy, Pandas, Google Colab, Jupyter Notebook, Git.