SAILLA RAGHURAJ

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EDUCATION

Bachelor of Technology in Computer Science Engineering (AIML)   2022 -2026
VIT Bhopal University • Bhopal, Madhya Pradesh • **CGPA: 8.54**

SKILLS

Technical: Python, SQL, Machine Learning, Data Science, Generative AI, Computer Vision

Interpersonal Skills: Effective Communication, Decision-Making, Teamwork

PROJECTS

Panoptic Image Segmentation using Deep-Learning Models | Python, Pytorch, OpenCV, Matplotlib and COCO-tools
- Developed an advanced panoptic segmentation system using Python, leveraging Detectron2 and EfficientPS for accurate pixel-level classification of both "things" and "stuff" in complex scenes.
- Integrated semantic and instance segmentation pipelines using Detectron2's modular architecture and EfficientPS's optimized fusion techniques, achieving real-time processing with high precision.

Link: https: //drive.google.com/drive/folders/1oo8wcHPUpe3J3RUjZmfE5WT3EP-X0QvV?usp=sharing

Human Activity Recognition
- Developed a specialized 2D convolutional neural network (CNN) architecture tailored for human activity recognition. This innovative approach processed accelerometer data as 2D images, resulting in substantial enhancements in classification accuracy, feature extraction, and reduction of false positives/negatives compared to traditional methods.
- Achieved significant improvements in the accuracy of human activity classification by effectively transforming accelerometer data into 2D image representations.

CERTIFICATIONS

Applied Machine Learning with Python	2023
Open CV by Open CV University	2024
Privacy and Security in Online Social Media	2024
Generative AI With IBM Watsonx	2025
Mongo DB	2025

EXTRA CURRICULARS

Club member- Cooking & Feasting Club, VIT Bhopal University.
Represented School in Inter-Zone Cricket tournament.

OTHER INFORMATION

Languages: English, Telugu Hindi

Hobbies: Playing Cricket, Listening Music, Tech Exploration.