SANTHOSH SINGEETHAM

+91 9381497213 21211a6653@bvrit.ac.in s.santhosh.sany13m@gmail.com Santhosh Singeetham

Professional Summary

A highly motivated Computer Science student with a focus on Artificial Intelligence and Machine Learning, experienced in Python, SQL, and machine learning tools like TensorFlow and BERT. Completed projects on image colorization using deep learning and semantic similarity using NLP techniques. Skilled in data preprocessing, model development, and evaluation. Certified in machine learning, cloud computing, and data analytics through different platforms. Seeking a good platform that provides an opportunity to enhance my skills, leverage my knowledge, and grow with the organization while contributing with a sense of satisfaction.

Education

B V Raju Institute Of Technology — Narsapur, Telangana
Bachelor of Technology in CSE (AI and ML), GPA: 7.24 — *2021 – 2025*

Narayana Junior College — Hyderabad, Telangana
Board of Intermediate Education(MPC), 63.6 Percentage — *2021*

Vista International School CBSE — Hyderabad, Telangana
Middle School Education, 360/500 — *2019*

Technical Skills

- **Languages**: Python, SQL, HTML
- **Frameworks**: Machine Learning, Deep Learning, TensorFlow, BERT
- **Developer Tools**: Google Colab, Jupyter Notebook
- **Libraries**: pandas, NumPy, Matplotlib
- **Soft Skills**: Eloquent, Pragmatist, Receptive Mindset, Time Management

Projects

Colorization of Images | *Python, Deep Learning, OpenCV*

- Implemented image colorization using deep learning, showcasing advanced AI skills in computer vision and neural networks.
- Transformed grayscale images into vibrant colors, demonstrating expertise in image processing.
- Conducted data preprocessing and augmentation to enhance model performance.
- Collaborated as part of a team to develop the deep learning model using Python and TensorFlow.

Sentence to Sentence Semantic Similarity | *NLP, BERT*

- Determining semantic similarity in NLP is enhanced by fine-tuning pretrained models like BERT. This reduces the need for large training datasets and improves performance for tasks like predicting entailment, neutrality, and contradiction between sentence pairs, while also decreasing storage and training time.

Tuberculosis Detection From Chest X-Ray | *Deep learning, DenseNet-121, ViT*

- The project aims to improve early detection of Tuberculosis (TB) using deep learning on chest X-ray images. A hybrid model combining DenseNet-121 and Vision Transformer (ViT)
- The model is trained on the TBX11K dataset, which includes a large and diverse set of labeled chest X-rays.
- Python, along with TensorFlow and PyTorch, is used for model development and evaluation.
- The system shows strong performance in classifying X-rays as healthy or TB-infected.It can be integrated into healthcare systems, especially in areas lacking radiologists.

Certifications

Introduction to Machine Learning
NPTEL Certification *2023*

Google cloud computing
Google Certification *2022*

Data Analytics
IIT Bombay Certification *2022*

AI Internship Program
Swecha Certification *2024*

Mastering Data and Machine Learning Internship
IBM SkillsBuild *2024*

Interests

Basketball

Listening Music

Learning New things

Video Games