

KILARU NIKHITA

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Publications

Learning Correspondences Across Domains for Exemplar-Based Image Translation Feb. 2024
Published in IEEE. DOI link: IEEE Xplore

Education

BV Raju Institute of Technology, Narsapur 2022 – 2026
Engineering in Computer science (Artificial Intelligence Machine Learning) - CGPA: 8.29 (Till 5th Sem) Narsapur, India

Narayana Junior College 2020 – 2022
Intermediate - Score: 96.9% Hyderabad, India

Narayana High School, Suchitra May 2020
Class 10 - CGPA: 10/10 Hyderabad, India

Projects

Learning Correspondence Across Domains For Exemplar-Based Image Translation 2024

- Technologies used: TensorFlow, PyTorch, CNN
- Cross-domain correspondence learning with exemplar-based image translation generates photo-realistic images from distinct domain inputs using exemplar references, ensuring semantic consistency.

Object Detection Using ResNet 2024

- Technologies used: PyTorch, CNN, Residual Networks
- Implemented a ResNet-based model for object detection on Imagenette dataset with data augmentation and gradient visualization for interpretability.

Real-Time Live Video Captioning and Audio Narration Using Vision Language Models 2025

- Technologies used: Vision Transformers (ViT), GPT-2, OpenCV, Generative AI
- Built a real-time captioning system using Vision Transformer and GPT-2; added audio narration with TTS, aiding accessibility.

Certifications

- Oracle Academy – Database Programming with SQL – 2023
- Privacy and Security in Online Social Media – NPTEL
- Google Cloud Skills Boost – Generative AI, Responsible AI, Vertex AI
- Udemy – Git & GitHub Bootcamp – Practical Mastery by Pruthviraja L

Technical Skills

- Languages:** C, Python, Java, HTML, CSS, JavaScript, SQL, Embedded C
- Libraries/Frameworks:** OpenCV, NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn, Keras, YOLOv5
- Tools:** Git, GitHub, VS Code, Jupyter Notebook, Google Colab
- Concepts:** Machine Learning, Deep Learning, Artificial Intelligence, Vision-Language Models, API Development, Real-Time Applications

Extra-Curricular Activities

- Active NSS (National Service Scheme) member and volunteer for various technical events.
- Trained in singing and passionate about music and engaging presentations.

Achievements

- Ranked in Top 15% of department based on cumulative GPA.