

Abhishek Dangeti

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📍 Hyderabad, India

PROFESSIONAL EXPERIENCE

August 2022 – present **Tata Consultancy Services**, AI Researcher

- **Style-based Clustering of Artworks**
 - Built an application that utilizes **deep neural networks** to cluster artworks based on style similarity
 - Utilized **Large Vision Language Models (LVLMs)** to extract style taxonomy-based representation for style clustering
 - Built an application that incorporates the subjectivity of style by incorporating **human preference** in a **deep-embedded clustering model**
- **Artwork Retrieval System**
 - Built an interactive application for the Edvard Munch Museum that **takes a user-input sketch and retrieves relevant artworks**
 - The application utilizes **unsupervised learnt representations** to match artworks using FAISS library.
- **StyleFrame: A Foundational Framework for Artistic Style Driven Applications**
 - Built a software design framework to assist architects, engineers, researchers, etc in developing artistic style-driven AI applications

SKILLS

Languages

Python, Java, C++

Frameworks

Pytorch, Tensorflow, Diffusers, Keras

PUBLICATIONS

- 2024 **Style-Frame: A Foundational Framework for Artistic Style Driven AI Applications**,
International Conference on Computational Creativity (ICCC)
- 2024 **Style-based Clustering of Visual Artworks**

EDUCATION

2018 – 2022 **Gandhi Institute of Technology and Management, Hyderabad**,
Bachelor of Technology in Computer Science and Engineering