

# Abhishek Dangeti

✉ abhishekdangeti2000@gmail.com

☎ +91 9502871315

📍 Hyderabad, India

🔗 abushek.netlify.app

## Professional Experience

---

|                |   |
|----------------|---|
| 2022 – present | <p><b>AI Researcher</b><br/><i>Tata Consultancy Services</i></p> <ul style="list-style-type: none"><li>• <b>Style-based Clustering of Artworks</b><ul style="list-style-type: none"><li>• Developed a <b>clustering application</b> that identifies the different art-styles present in an artwork collection and forms clusters</li><li>• Developed different <b>style-based neural representations</b> by utilizing <b>pytorch framework</b> to extract different embeddings from models such as <b>large vision language models (LVLM)</b>, <b>diffusion models</b> and <b>generational adversarial networks (GAN)</b> and achieved 43% improvement over state-of-the-art style-based clustering approaches</li><li>• Developed an application using <b>ReactJS</b> to incorporate the <b>subjectivity of style</b> into style-based clustering of artworks by utilizing the <b>tensorflow framework</b> to create a model that incorporates <b>reinforcement learning</b> to guide the model to cluster artworks based on the <b>user's preference of style</b></li></ul></li><li>• <b>Themed Mosaic Creation</b><ul style="list-style-type: none"><li>• Built an application that takes an input image and re-creates a mosaic version based on a user-provided theme for a large image collection</li><li>• Utilizes <b>agentic AI</b> to curate a dataset from a larger collection</li></ul></li><li>• <b>Artwork Discovery System</b><ul style="list-style-type: none"><li>• Developed an application for the MUNCH Museum to allow a user to <b>interactively explore</b> an artwork collection</li><li>• Built an interactive application using <b>AngularJS</b> that takes a <b>user-input sketch</b> and <b>retrieves relevant artworks</b> by utilizing <b>unsupervised learnt representations</b> extracted by using <b>transformer models</b> to fetch artworks similar to the user-sketch</li></ul></li><li>• <b>StyleFrame: A Foundational Framework for Artistic Style Driven Applications</b><ul style="list-style-type: none"><li>• Designed a <b>software design framework</b> to assist architects, engineers, researchers, etc in developing <b>artistic style-driven AI applications</b> by <b>outlining the different stages</b> present in designing an AI application</li><li>• Framework takes user specifications as input and provides the <b>state-of-the-art AI applications</b> and the development process of building a style-driven AI application by using an <b>agentic AI</b> created using <b>large language models (LLM)</b></li></ul></li></ul> |
|----------------|---|

## Publications

---

|      |  |
|------|--|
| 2025 | <p><b>Composite Reflections</b> ✎<br/><i>CVPR AI for Art, 2025; AI4VA Workshop (ICCV Oral), 2025</i></p>   |
| 2025 | <p><b>Aligning Neural Style Representations for Style-based Clustering</b><br/><i>AI4VA Workshop (ICCV) 2025; MoFA Workshop (ICML) , 2025</i></p>                      |
| 2024 | <p><b>Style-Frame: A Foundational Framework for Artistic Style Driven AI Applications</b> ✎<br/><i>International Conference on Computational Creativity (ICCC)</i></p> |

## Skills

---

### Languages

Python, Java, C++

### Frameworks

Pytorch, Tensorflow, Diffusers, Keras

## Education

---

|             |   |
|-------------|---|
| 2018 – 2022 | <p><b>Bachelor of Technology in Computer Science and Engineering</b><br/><i>Gandhi Institute of Technology and Management</i></p> |
|-------------|---|