Yadeesh T

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SKILLS

Languages	**Python**, C, C++, java
Frameworks/Libraries	**Lang Chain, PyTorch, TensorFlow, Scikit-learn, Keras, Matplotlib, Seaborn, Plotly, GitHub, Google Colab, Numpy , openai gymnasium**,
Soft Skills	Project Management, Leadership, Decision Making, Business Strategy

EXPERIENCE

Data science Member Oct 2024 - Present
IEEE Computer Society - VITC *Chennai, India*

- Contributed to a Data Science project in the DS department, focusing on data analysis and model development.
- Managed and organized technical events as part of the IEEE club at VIT Chennai.

Technical Team Member Oct 2024 - Present
Artificial Intelligence Club - VITC *Chennai, India*

- Contributed to a AI project in the Techincal department, focusing on data analysis and Agent development.
- Managed and organized technical events as part of the AI club at VIT Chennai.

Research & Development Member, Technical Member Oct 2024 - Present
Open Source Programming Club VITC *Chennai, India*

- Developed an RNN-based Deep Learning project for sequence prediction, enhancing model accuracy in time series data.
- Contributed to a Machine Learning project focused on implementing efficient algorithms for classification tasks.

Research & development Member Aug 2024 - present
Tech Researchers Club VIT Chennai *Chennai, India*

- Worked on a GAN-based project using DCGAN for generating digit images and V-GAN for generating images from the CIFAR dataset.
- Focused on enhancing the quality and diversity of generated images through advanced techniques in GANs.

EDUCATION

BTECH in Computer Science , Specialization in AL & ML , VIT, Chennai Expected 2027
CGPA – 8.84

Intermediate(Class 12th), The Chola International school, Thanjavur. 2022 - 2023
CGPA – 8.28

PROJECTS

DeepShield – Deepfake Detection using Vision Transformers (HackHub'25 Finalist):

Built a real-time deepfake detection system using ViT, trained on FaceForensics++ (400+ videos) with 91.03% training and 88.13% validation accuracy. Integrated with Flask for live frame-by-frame analysis and designed an intuitive UI.

Vision Transformers(HAM 10000 dataset):

Designed and implemented a custom Vision Transformer (ViT) model from scratch for accurate skin disease classification using the HAM10000 dataset, comprising 10,000 images across 7 categories.

GAN-based Digit Image Generation :

Developed and optimized Vanilla GAN and DCGAN models to generate realistic digit images using the CIFAR dataset. Fine-tuned model parameters to improve image quality and training stability. Collaborated with the Tech Researchers Club to enhance GAN architecture for image synthesis tasks.

Crop Disease classification :

Developed a website with a crop disease prediction model using Convolutional Neural Networks (CNN) to identify diseases in corn, wheat, and rice. Designed an intuitive interface for farmers to upload images and receive instant feedback. Integrated a Gemini AI API to gather user feedback, enhancing the user experience.

CERTIFICATION & ACHIEVEMENT

- **1st Place – VIZ-A-THON (TESSERACT: The Data Matrix)** – Secured the top position for visualizing Lewis Hamilton's F1 career using advanced data analytics and creative visual storytelling, organized by the Department of Mathematics, VIT Chennai.
- **1st Prize Winner** – *DeepAthon*, part of the TECHNO-VIT event, for building an innovative AI-based solution.
- **Hackathon Finalist** – Participated in *Dataset*, a 36-hour hackathon focused on real-world Telecom solutions, guided by Prodapt and Nokia Ltd, organized by ECDS Club, VIT Chennai.