Yadeesh T

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OBJECTIVE

A **Second-year Computer Science and Engineering undergraduate** with a specialization in **Artificial Intelligence and Machine Learning**. Proficient in foundational **AI concepts, including NLP, Computer Vision, Reinforcement Learning, and transformer-based models**. Experienced in developing innovative AI solutions **through hands-on projects and research, with a strong focus on real-world applications and technical excellence**.

SKILLS

Languages	**Python**, C, C++, java
Frameworks/Libraries	**TensorFlow, PyTorch, 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.

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.

Machine Learning Intern Jun 2024 - July 2024
Codesoft *Chennai, India*

- Completed a 4 week virtual internship in Codsoft.
- Worked upon 3 tasks Credit card fraud detection, Customer churn prediction, sms spam detection using Machine Learning techniques.

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

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.

CATPOLE Reinforcement Learning with Gym :

　　Implemented a CATPOLE reinforcement learning model using OpenAI Gym to simulate and optimize a control strategy. Utilized Q-learning and policy gradient techniques to balance the pole effectively. Analyzed model performance and fine-tuned hyperparameters for improved training efficiency and accuracy.

CERTIFICATION & ACHIEVEMENT

- Awarded **1st prize in DeapAthon** conducted in TECHNO-VIT Event.

- Participated in Dataset, a 36-hours hackAthon on building real world solution for **Telecom industry guided by Prodapt and Nokia company LTD**. Organized by ECDS Club VIT.

- completed a **virtual internship in Machine Learning** offered by Codsoft.