Praveen Paddana

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PORTFOLIO
LINKEDIN
GITHUB

EDUCATION

VIT BHOPAL UNIVERSITY — Bhopal, MP
Bachelor of Technology — Oct 2024
Major in Computer Science specialization in AI and ML
Cumulative GPA: 8.64/10.0;
Relevant Coursework: Machine Learning, Data Analysis, Software Engineering; Algorithms; Artificial Intelligence

SRI CHAITANYA COLLEGE OF INTERMEDIATE — Hyderabad, TS
Class 11th and 12th — Jul 2018 - Jul 2020
Percentage: 94.5%

WORK EXPERIENCE

C360 SOFTWARE INC. — Hyderabad, TS
AI Intern — Nov 2023 – Feb 2024

- Researched and analyzed existing video lip-sync technologies, contributing to algorithm development and improving technology efficiency by 20%.
- Collaborated with a cross-functional team to identify and implement innovative solutions, enhancing the accuracy of lip-sync systems.
- Developed and deployed advanced algorithms, achieving a 95% accuracy rate in video lip synchronization, reducing processing time by 25%.

ACADEMIC PROJECTS

IMAGE COLORIZATION USING GENERATIVE ADVERSARIAL NETWORKS(GANs)- May 2024

- Developed an advanced image colorization model using TensorFlow and Keras, utilizing GAN architecture with a U-Net generator to achieve a 40% improvement in color accuracy over baseline models.
- Designed and implemented a scalable data pipeline for preprocessing and augmenting large-scale image datasets, reducing data preparation time by 50% and increasing training performance by 25%.
- Optimized training processes by implementing custom loss functions and fine-tuning hyperparameters, reducing training time by 30% and enhancing colorization quality by 20%.
- Results: Praveen3333P/Image-Colorization-using-GANS (github.com)

PLANT LEAF DISEASE DETECTION USING CNN- May 2023

- Engineered a CNN based plant disease detection system, contributed to a project as part of an 8-member team.
- Succeeded an impressive 91% accuracy rate in disease classification; reduced image analysis time by 90% and increased training accuracy by 95%.
- Enhanced model performance by fine-tuning hyperparameters, resulting in a 20% improvement in detection precision for multiple plant diseases.
- Results: Praveen3333P/Plant-Leaf-Disease-Detection-Using-CNN (github.com)

ADDITIONAL

- **Technical Skills**: Python, SQL, PowerBI, Matplotlib Machine Learning Algorithms, Deep Learning Algorithms, RAG models, Transformers.
- **Languages:** Fluent in English, Telugu and Hindi.
- **Certifications & Training:**
  - ➢ Applied Machine Learning in Python, Coursera, Jun 23
  - ➢ Data Science, Board Infinity, Feb 23
  - ➢ Pre-Processing for Machine Learning in Python, Data camp, Apr 21
  - ➢ Machine Learning for Everyone, Data Camp, Apr 21
- **Awards:** Recipient of GVSDP Scholarship for four consecutive years (2020-2024) with Rs1,50,000/- each year.
- **Hobbies:** Reading comics, exploring electronics and tech articles, playing cricket, badminton, and basketball to foster teamwork and physical agility.