Venkata Surya Vishal Ganti

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Professional Summary:

- Highly motivated Graduate Apprentice Developer with a strong foundation in computer vision, machine learning, and deep learning. Proficient in Python programming and skilled in utilizing libraries like OpenCV, TensorFlow, Scikit-learn, and NumPy.
- Experienced in developing and implementing image processing solutions, data analysis projects, and web scraping tasks. Eager to leverage my skills and contribute to challenging projects at **Tekworks**.

Education:

Anil Neerukonda Institute of Technology and Sciences(ANITS)   Tagarapuvalasa, Vizag
B. Tech in Electrical and Electronics Engineering   **November 2021 - April 2024**
GPA: 7.00 cgpa

Government Polytechnic Srikakulam,   Srikakulam
Diploma in Electrical and Electronics Engineering   **July 2018 - October 2021**
Percentage: 75%

New Central School   Srikakulam
Schooling   **July 2017 - April 2018**

Skills Summary:

- **Technical Skills:** Python, SQL, Pandas, NumPy, Scikit-Learn, Matplotlib, OpenCV, TensorFlow, Machine Learning, Deep Learning, PyCharm, Jupyter Notebook, Visual Studio Code, Google Colab
- **Soft Skills:** Communication, Presentation, Teamwork, Problem-Solving, Time Management

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Work Experience

Tekworks Enterprises | Vijayawada, Andhra Pradesh | November 2024 - Present
Graduate Apprentice Developer (GAD)
- **Developed and implemented** image inpainting solutions using OpenCV, demonstrating strong proficiency in computer vision techniques.
- **Successfully integrated** GPT models for advanced text reading and analysis capabilities.
- **Designed and trained** machine learning models for emotion detection using TensorFlow and Haar Cascades, achieving high accuracy in identifying and classifying emotions.
- **Developed and deployed** an innovative solution for removing text from images without blurring, utilizing Easy OCR and OpenCV libraries.
- **Implemented** robust face recognition algorithms using Scikit-learn and gdown, achieving high confidence levels in identifying individuals.
- **Conducted rigorous testing and training** of image datasets using TensorFlow, NumPy, and OpenCV, resulting in improved model performance.
- **Developed and implemented** an image-to-text generation system, showcasing strong skills in natural language processing and image analysis.

Projects

Litzchill Application | November 2024 - Present

- Developed and implemented image inpainting techniques.
- Designed and trained machine learning models for face emotion detection.
- Conducted comprehensive image testing and training procedures.
- Accurately annotated image datasets for improved model performance.
- Efficiently collected and curated image data from various online sources.

Library Data Analysis Project | July 2024 - August 2024
Analyzed and interpreted complex library datasets using SQL.

- Designed and implemented efficient data tables for optimal data storage and retrieval.
- Successfully imported and managed large datasets within the MySQL environment.

Fortune 500 Data Extraction Project | June 2024 - July 2024

- Performed in-depth web scraping of the Fortune 500 website.
- Conducted thorough data analysis, cleaning, and transformation to ensure data accuracy and reliability.
- Developed insightful data visualizations to communicate key findings and support informed decision-making.

Hotel Menu Application | May 2024 - June 2024

- Developed an innovative Python-based application for automated menu display and management.
- Implemented a user-friendly interface with detailed item information and descriptions.
- Designed and integrated a unique dish serving alarm system to enhance the dining experience.

Hobbies

- **Coding:** Continuously honing coding skills through practice and personal projects.
- **Creative Writing:** Exploring storytelling through writing short stories and articles.
- **Reading:** Expanding knowledge and broadening perspectives through diverse literary experiences.
- **Technology Exploration:** Staying updated on the latest technological advancements and exploring emerging trends.

Certificates & Achievements

- **Data Analysis Certification** | Innomatics Research Labs
- **Data Science Certification** | Innomatics Research Labs
- **Python Programming Certification** | Programming Hub