KONERU CHARAN

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EDUCATION

VIT Bhopal University **Cumulative GPA: 9.32**
B.Tech Computer Science Engineering
Expected 2027

Sri Sri Ravishankar Vidya Mandir , Bangalore **Percentage: 90%**
Class XII, CBSE 2023

MES Kishore Kendra Public School **Percentage: 97.5%**
Class X, ICSE 2021

PROJECTS

Deep Fake Detection — AI-generated Image Classification Jan 2025 – Apr 2025
Machine Learning Development

- Designed and trained a **Convolutional Neural Network (CNN)** model to detect AI-generated or fake photos.
- Optimized model performance through dataset preprocessing, hyperparameter tuning, and evaluation metrics.
- Collaborated with the **Web Development Team** by providing model outputs, integration support, and deployment documentation.
- **Learned:** Deep Learning, CNN-based Image Classification, Model Optimization, Cross-team Collaboration.

AI-based Room Generator — Style Transfer and Novel Room Synthesis Apr 2025 – May 2025
Machine Learning + Web Integration

- Built two generative pipelines: (1) a **style-transfer model** that re-styles rooms while preserving existing furniture layout, and (2) a **generative model** that synthesizes entirely new room designs.
- Implemented models using **Python** (e.g., PyTorch/TensorFlow) with preprocessing, inference, and evaluation workflows.
- Integrated a user-facing interface with **Streamlit** and deployed for remote access using **ngrok**, enabling interactive uploads, previews, and downloads.
- **Learned:** Generative Modeling, Image-to-Image Translation, Model Inference Pipelines, Rapid Prototyping with Streamlit/ngrok.

TECHNICAL SKILLS

Programming: Python, C++, SQL, Java, HTML, CSS, JavaScript,
Frameworks & Libraries: TensorFlow, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn, Flask
Tools: Git, GitHub, Jupyter Notebook, VS Code, Postman

CERTIFICATIONS

- IBM Generative AI using watsonx
- Microsoft Azure Data Fundamentals (DP-900)
- NPTEL: Introduction to Machine Learning

HOBBIES

- Cooking
- Volleyball and Cricket