HARIKRISHNA MODALAVALASA

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EDUCATION

Master of Computer Science and Engineering, PDPM IIIT JABALPUR   Expected 2026
Relevant Coursework: Deep Learning, Machine Learning, Image Processing, Data Clustering, Data Mining.
CPI: 9.0

Bachelor of Electronics and Communication Engineering, GVPCOE VISAKHAPATNAM   2019 - 2023
CPI: 8.76

SKILLS

Languages	Python, C, SQL
ML/DL Frameworks	TensorFlow, Keras, PyTorch, Computer Vision, Scikit-Learn
Tools and Libraries	Pandas, NumPy, OpenCV, Matplotlib
Databases	MySQL, Mongodb
Version Control	Git, GitHub
Software Engineering	Data Structures and Algorithms, Operating System, Computer Networks

EXPERIENCE

Data Science Intern (certificate)   Feb 2023 - Apr 2023
Gyan Data Private Limited   *Chennai, Tamil Nadu, India*

- Undergone Python 101 and Quantitative Data Analysis(QDA) training.
- Involved in a project which covered Image-processing techniques and involved multiple Image-processing libraries.

PROJECTS

Deepfake Detection Using Convolutional Vision Transformers. Created a deep learning-based framework for detecting deepfakes. CNNs and vision transformers were used to extract and analyze facial features for improved detection.

Half-UNet: A Simplified U-Net Architecture for Medical Image Segmentation. Built a project that uses a simplified Deep Learning model to segment Liver and Liver Tumor from abdominal CT scans.

Shelf Management in Retail stores. Built a project that predicts the state of shelves in retail stores using Image processing techniques with the help of shelf images and other open-source tools.

RELEVANT CERTIFICATIONS

Machine Learning with Python (Coursera)

- Gained a deeper understanding of machine learning algorithms and statistical algorithms.
- Implemented different types of algorithms on real-world data, including Regression, Classification, and Clustering.

Databases and SQL for Data Science with Python (Coursera)

- Extracted, cleaned, and analyzed large datasets using Pandas DataFrames in Python.
- Experience with MySQL for efficient data storage and retrieval.

Data Analysis with Python (Coursera)

- Handling missing values, transforming datasets, and feature engineering using Pandas and NumPy libraries.