SHAKSHI KHAMBHAYATA

COMPUTER ENGINEER

https://github.com/shakshi-k/My_projects/branches
+91 88495 50350
https://www.linkedin.com/in/shakshi-khambhayata-/
2124shakshi@gmail.com

ABOUT ME

A computer engineering student passionate about Python and emerging technologies, eager to learn and grow. Skilled in coding, problem-solving, and software development, with experience in Python for Programming and data analytics.

EDUCATION

2022 - 2026	**V.V.P. Engineering College, Rajkot** Bachelor's in Computer Engineering	**CPI : 8.91**
2020 - 2022	**Tapasvi School, Rajkot** Higher Secondary Education	**PERCENTAGE : 72 %**
2013 - 2022	**St. Mary's School, Rajkot** Primary Education	**PERCENTAGE : 82 %**

SKILLS

Languages:	Python , Java , C , HTML , CSS , Javascript
Libraries:	Numpy , Pandas , Matplotlib , Sci-kit Learn , Seaborn , Tensorflow
Database/ OS:	MySQL, Linux
Frameworks/Tools:	Google Colab , Jupyter , Krita , Tableau , Github
Soft Skills:	Problem Solving , Creative Thinking , Critical Thinking, Effective Communication

PROJECTS

Data Analysis on McDonald's Financial Statements :

- Cleaned and processed dataset with Pandas.
- Used NumPy for statistical calculations and Manipulated data with Pandas for insights.
- Visualized patterns with Matplotlib.
- Analyzed correlations, trends, and outliers.

Style Transfer Generation model :

- Developed an image style transfer project to apply the artistic style of one image to another.
- Used TensorFlow and TensorFlow Hub to load and apply a pre-trained style transfer model.
- Leveraged PIL.Image for image loading and conversion, and NumPy for array manipulation.
- Utilized Matplotlib for visualizing original, style, and generated images in Google Colab.

Sign language digits Prediction model :

- Built a real-time CNN-based digit recognition model to classify hand gestures from 0 to 9.
- Utilized TensorFlow and Keras for building and training the convolutional neural network.
- Employed ImageDataGenerator for image augmentation to improve model generalization.
- Used OpenCV and Colab JavaScript APIs to capture live webcam input in Google Colab.
- Applied NumPy, Pandas, and Matplotlib for data manipulation, analysis, and visualization.
- Preprocessed captured images using grayscale conversion and resizing for model input compatibility.

CERTIFICATES

- KAGGLE - Pandas Library
- HACKERRANK - 4 Star in Python Programming
- MICROSOFT - Microsoft Azure AI Fundamentals - AI Overview
- FREE CODE CAMP - Scientific Computing with Python
- GOOGLE DIGITAL GARAGE - Digital Marketing Fundamentals

APPRECIATION

- Wrote a research paper about cyber security
- National-Level Basketball Player
- AIR 140 in NID 2022 (National Institute of Design)
- Fine Arts Club Coordinator in college
- Lead Coordinator for School Decoration Team