VIJAY VADDEPALLI

vaddepallivijay66@gmail.com | Hyderabad | 7671035792

EDUCATION

Nalla Narasimha Reddy Group of Institutions Hyderabad
Bachelor of Technology *in Computer Scinece and Engineering | GRADE : 8.03/10* *2021 – 2025*

EXPERIENCE

SDE Intern Jul 2024-Sep 2024
spearhead technology

- *Assisted in the development of a web application using React and Node.js, contributing to front-end design and back-end API integration. Collaborated with a team of five to implement Agile methodologies, resulting in a 20% increase in project efficiency. Provided technical support for software applications.*

SDE Intern Sep 2023 – Nov 2023
JOBMINAR consultant

- Developed an intuitive and visually appealing e-commerce website frontend, with a strong focus on user-friendly navigation and interactive features to significantly improve customer engagement and satisfaction.
- Designing Leveraged comprehensive full-stack capabilities to ensure seamless connectivity between the frontend interface and backend services, enabling efficient data flow, enhanced functionality, and a highly responsive user interface.

PROJECTS

Image Steganography | *Data Security*

- Image steganography using the Least Significant Bit (LSB) method involves hiding information within an image by manipulating the least significant bits of the pixel values.In simple words it is a secret communication.
- Each character has a corresponding ASCII value. Convert the secret message into binary form.
- Every image consists pixels.The image is in the form of RGB.For each bit of the message, find a pixel in the image.
- Modify the least significant bit of one or more color channels in the pixel to match the bit of the message.
- To retrieve the hidden message, read the least significant bit from the same pixels. Collect the LSBs in the order they were read, grouping them into bytes (8 bits). where the message was embedded.
- Combine these bits to reconstruct the original message.This can be Achieved by entering the password.

{Image Caption Generator Using NLP |

- Convolutional Neural Networks (CNNs) are typically used to extract visual features from images.
- - After extracting features, a Recurrent Neural Network (RNN), often with Long Short-Term Memory (LSTM) , generates sentences based on the features.
- - Models are trained on large datasets containing images paired with descriptive captions

TECHNICAL SKILLS

Experienced: Java, c, c++, Python, HTML, CSS, Javascript. MYSQL, Pandas, NumPy, MatplotLib, React, Node.js.
Intermediate: Generative AI.

ACHIEVEMENTS

- First place in BEST FROM WASTE contest
- Gained certification in prochamps.
- Successfully led a team of 3 members on a project.