Nagulapally Bhargavi
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@bhargavi-nagulapally   /nagulapally-bhargavi

SKILLS

- **Programming Languages:** Python (Proficient), Java (Intermediate),C (Proficient)
- **Prompt Engineering:** Experienced in crafting prompts for AI models
- **Web Development:** HTML, CSS, JavaScript
- **Machine Learning**: Deep Learning, NLP, Computer Vision
- **Database Management:** MySQL (Basic)

ACADEMIC PROJECTS

- **Gesture based Pong Game**
  Developed a gesture-controlled Pong game using Python, Pygame, and MediaPipe, with real-time hand movement detection and interactive gameplay features.**|Computer Vision, Game development**

- **Action Sense: IoT-Connected Human Activity Recognition with OpenCV**
  Developed a seamless human activity recognition system using Python and OpenCV, integrated with IoT and Arduino for real-time tracking. **| Computer Vision, Deep Learning, IOT, OpenCv**

- **Rice leaf Disease Detection**
  Designed a deep learning model to detect rice leaf diseases from user-uploaded images. Achieved an accuracy of 96% with real-time prediction scores through a Streamlit app. **| Deep Q-CNN , CNN, VGG16, Deep Learning, Streamlit**

- **Personalized Portfolio**
  Created a fully responsive portfolio website to showcase skills and projects. **| HTML, CSS, JavaScript**

- **Chatbot Powered by Gemini and OpenAI API**
  Created an interactive AI chatbot that utilizes generative AI for improved user engagement, implementing prompt engineering techniques to enhance conversation quality. **| API, Python, Streamlit, Prompts**

EXPERIENCE

- **Software Engineer Intern | IBM Skills Build**   *(May-2024 to June-2024)*
  Developed and implemented **sentiment analysis models** using **Natural Language Processing (NLP)** techniques, including text pre-processing and sentiment scoring, to analyze real-world datasets.

CERTIFICATIONS

- **Google Certifications**
  Generative AI , Large Language Models
- **EDX Certifications**
  Prompt Engineering , Data Science with Python
- **NPTEL Certifications**
  Java , Python , C
- **Cambridge English**
  Preliminary English Test – Grade B (demonstrating strong English proficiency)

EDUCATION

- Computer Science and Engineering | VNITSW   *CGPA**: 9.01 | 2022-Present*
- XII (IPE) | Sri Chaitanya Junior College   *Percentage:95.4%| 2022*