

# VAISHNAV UPPALAPATI

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## EDUCATION

- The Gandhian Institute of Technology and Management** Visakhapatnam, India  
*Bachelor of Tech in Computer Science, Specialized in AI/ML (2021-2025)* *CGPA 9.41*  
*Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Networking, Databases*

## SKILLS SUMMARY

- Languages:** Python, C, JavaScript, SQL, Bash, JAVA
- Frameworks:** Scikit, NLTK, SpaCy, TensorFlow, Keras, Flask, NodeJS, ExpressJS
- Tools:** Docker, GIT, MySQL, SQLite, VS Code, Visual Studio, Hugging Face, OpenAI
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

## PROFESSIONAL FOCUS AND AREAS OF INTEREST

### Research in Generating Synthetic data with GAN's for Cancer Classification

March 2024 – Present

- Actively Developing a Generative Adversarial Network (GAN) model for Synthetic Data Generation(Cancer images) to overcome the challenge of limited data availability for using Deep Learning in medical field
- Utilizing a specialized cancer dataset along with generated Synthetic data to classify images into categories: viable tumor, non-viable tumor, and non-tumor
- Gaining practical experience in medical image analysis, Image Augmentation, Deep learning, and Data prepossessing techniques

## PROJECTS

- Movie Database sample API Creation** December 2023  
[https://github.com/uvaishnav/movies\\_database\\_apicalltesting](https://github.com/uvaishnav/movies_database_apicalltesting)  
Taken movie database with movies and director tables and tried to create some API's for HTTP requests based on the specific needs.  
Skills learnt: SQLite, NodeJS, ExpressJS, JavaScript
- Generative AI Chatbot** December 2023  
<https://vaishnavchatbot.ccbp.tech/>  
Made a Generative Ai chatbot application using openAI API.  
Skills learnt: ChatGPT, LangChain, Gradio, Hugging Face, Python
- Peach plant Disease Classification using TensorFlow** October 2023  
<https://github.com/uvaishnav/Peach-plant-classification/tree/main>  
Using Tensor flow framework, I have developed a classification model trained on almost 2500 images of peach crop leaves which were infected and healthy.  
Skills learnt: TensorFlow, CNN, Data Augmentation, Image Prepossessing, Python
- Todos application** August 2023  
<https://vaishnavtodo.ccbp.tech/>  
Developed persistent Todo application with CRUD operations to track list of tasks  
Skills learnt: HTML, CSS, JavaScript
- Movie Database sample API Creation** June 2023  
<https://vaishnavweb.ccbp.tech/>  
Created responsive E-commerce website using HTML,CSS and Bootstrap differs based on the device size.  
(Buttons are not assigned with any action)  
Skills learnt: HTML, CSS, Bootstrap

## ACHIEVEMENTS

### Fly-High Challenge

Achieved 16th rank nationwide in the Fly-High Challenge conducted by NxtWave Company. The challenge involved consistent learning for 16 weeks followed by a Python coding test.

## CERTIFICATIONS

- Build Better Generative Adversarial Networks(GANs) (deeplearning.ai - Coursera)
- Convolutional Neural Networks In TensorFlow (deeplearning.ai - Coursera)
- Neural Networks And Deep Learning (deeplearning.ai - Coursera)