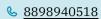
## Bhargavi G

Computer Science Student | Specializing in AI, ML, and Deep **Learning Applications** 



<u>bhargavivenu26@gmail.com</u>

Prakasam District, Kanigiri

Skills

**Python Programming** 

advanced

Intermediate

**Machine Learning** 

**Deep Learning** 

Intermediate

**Natural Language Processing** (NLP)

Intermediate

**Data Visualization** 

Intermediate

Web Technologies (Basics)

**Basics** 

database management system -**MYSQL** 

Intermediate

Critical thinking and reasoning

Other programming languages

Cpp, java, C

**Certifications** 

Python and Introduction to ML

Study Comrade 🌐

July 2022 - August 2022

Ml with python

Skill Dunia 🌐

March 2023 - April 2023

Supervised machine learning 

Artificial intelligence 

Decemeber 2024

Deep learning 

Languages

Telugu (Native)

**English (Proficient)** 

Hindi(Understanding)

**Profiles** 

📝 <u>Bhargavi G</u>

Bhargavi\_G

bhargavi

🖒 <u>Bhargavi</u>

#### Summary

Passionate <u>B.Tech</u> 3rd-year Computer Science student deeply engaged in solving real-world problems through deep learning projects. Aspiring to excel in the field of machine learning and artificial intelligence by building efficient and impactful solutions. Motivated by the potential of AI in daily applications and continuously expanding knowledge through hands-on projects. Eager to collaborate and contribute to cutting-edge advancements in AI.

#### **Education**

#### **RGUKT Nuzvidu**

2020 - 2026

Computer Science and Engineering

Bachelor's Degree (B.Tech)

Grade: A

https://www.rgukt.in/

#### **ZPHS Pedairlapadu** General Education

2015 - 2020 High School

GPA: 10

Studied from 5th to 10th grade at ZPHS Pedairlapadu.

#### **Projects**

## ECG Classification using Student-Teacher Model

Worked on a research paper focused on ECG classification, applying a Student-Teacher framework where ResNet was used as the teacher model and MobileNet as the student model.

ECG Classification, ResNet, MobileNet, Student-Teacher Model, Deep Learning, tensorflow

#### segmentation of neuronal structures in em stacks

Developed a deep learning model using U-Net++ architecture to segment neuronal structures in electron microscopy (EM) stacks.

U-Net++, Deep Learning, Image Segmentation, Python, TensorFlow

#### **Zomato Restaurant Data Analysis**

- Utilized Python and machine learning algorithms to analyze Zomato restaurant datasets.
- Focused on customer behavior and cost analysis using KNN and clustering algorithms.

Machine leanring, python, seaborn, matplotlib

### YOLO Object Detection project on the PPE dataset

Implemented an object detection model using YOLO (You Only Look Once) on the PPE (Personal Protective Equipment) The model was trained to detect and classify various PPE items, such as helmets, gloves, and vests.

YOLO, Object Detection, Deep Learning, Python, OpenCV, TensorFlow

## GAN-Based Synthetic Image Generator for Fashion Industry (Fashion-**MNIST Dataset)**

Developed a Generative Adversarial Network (GAN) model using the Fashion-MNIST dataset to generate synthetic fashion images

GAN, Fashion-MNIST, Image Generation, Deep Learning, Python

# **Toxicity Detection from Text using LSTM**

Built a deep learning model for classifying toxicity in text using **LSTM**. The model detects harmful or offensive language in comments.

LSTM, Text Classification, Natural Language Processing (NLP), Python

# **Emotion Detection from Video using CNN**

Developed a **CNN-based model** for detecting emotions in video frames, enabling real-time emotion recognition from video data

CNN, Video Analysis, Emotion Detection, Image Classification, Python, OpenCV

# Library Management System using SQL

Designed and implemented a Library Management System using SQL to handle the storage, retrieval, and management of books, users, and transactions within a library.

SQL, Database Design, MySQL

# References

**Dhaval Patel** 

Deep learning

Organization: CodeBasics

Position: Ex-Bloomberg, NVIDIA