

SHAIK CHOTAVALI

✉ chotavali79@gmail.com ☎ 9640980790 📍 Guntur, Andhra Pradesh 🌐 github 🔗 LinkedIn

OBJECTIVE

A self-motivated and quick-learning individual seeking a challenging position in the IT industry where I can contribute to the organization's growth while continuously enhancing my knowledge and evolving as a skilled software professional.

EDUCATION

National Institute of Technology Andhra Pradesh, 2020 – 2024
Bachelor of technology in Electrical and Electronics engineering
CGPA: 7.86

Minor Degree in Software Engineering

Narayana Junior College, Intermediate
Marks : 948 out of 1000

Bhashyam Public school, Secondary education
GPA: 9.8

SKILLS

Languages: C++, Python, JavaScript

Web: HTML, CSS

Databases: SQL

Frameworks/Tools: TensorFlow, Keras, MATLAB, Gradio

CS Fundamentals: DSA, DBMS, OOPS

PROJECTS

Design of FOPTID controller for Load Frequency Control [GitHub]

***Tech used :** Matlab simulation and workbench, FOMCON tool box, Controllers*

- Developed robust load frequency control system using **MATLAB**.
- Designed a **Fractional Order Proportional Tilt Integral Derivative (FOPTID)** Controller
- Integrated Particle Swarm and Sea Horse Optimization algorithms for optimization.
- Achieved 25% enhancement in system response times.
- Improved stability by adapting to load frequency changes and P-tie deviations.

Flower Classification using Tensor Flow [GitHub]

***Tech used :** Machine Learning, Python, TensorFlow, Keras, Matplotlib, Gradio, Convolution Neural Networks (CNN)*

- Developed a **Convolutional Neural Network (CNN)** model for flower classification utilizing **TensorFlow** framework.
- Implemented dropout regularization with a rate of 0.2 to prevent overfitting by randomly dropping 20% of neurons during training.
- Created a user-friendly interface using **Gradio** to allow users to interactively classify flower images using the trained model. Users can upload images or use their webcam for real-time classification.

CERTIFICATES

Minor degree on Software Engineering - NITAP

C++ Data Structures and Algorithms - UDEMY

Data Base Management System - NPTEL

EXPERIENCE

Intern, Visakhapatnam Steel Plant Jun 2022 – Jul 2022

- Studied and analyzed DC drive control systems and their applications in the steel production line.
- Gained practical exposure to industrial automation and drive systems