

MERNEEDI CHAKRADHAR

B-Tech CSE (AI & ML)

📍 Kakinada, East Godavari, Andhra Pradesh

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👤 Chakradhar22.github.io

CAREER OBJECTIVE

I seek challenging opportunities where I can fully use my skills for the success.

ACADEMICS

- **Bachelor of Technology**
Aditya College Of Engineering | CSE (AI & ML) | **7.63 (CGPA)** | 2021-2024
- **Diploma**
Aditya Engineering College | Mechanical | **88.71%** | 2018-2021
- **SSC**
Sama Public School | **9.7(CGPA)** | 2018

ACADEMIC PROJECTS

- **Project 1: RICE LEAF DISEASE DETECTION**
Technologies used: Python, Deep Learning, Flask

Developed a novel convolutional neural network (CNN) model to recognize rice leaf diseases, achieving state-of-the-art accuracy. Utilized a dataset of 4,199 images to train the model, achieving 99.78% training accuracy and 97.35% validation accuracy. Evaluated the model on independent datasets with a recognition rate of up to 97.82% and an AUC of 0.99. Conducted binary classification for five common diseases with high recognition rates. Integrated the model into a user-friendly frontend using Flask for seamless interaction and real-time disease recognition.

- **Project 2: MINING BOT**
Technology used: IoT

Developed the "Mining Bot," an IoT-based project designed to assess mine conditions before human entry. Utilized Arduino, gas sensors, humidity sensor and moisture sensors to monitor environmental parameters. Implemented real-time data collection and transmission to evaluate mine safety, ensuring early detection of hazardous conditions. Enhanced safety protocols and minimized risks associated with manual testing in mines. Demonstrated proficiency in IoT integration and sensor deployment for industrial applications.

- **Project 3: ESTIMATION AND PREDICTION OF HOSPITALIZATION AND MEDICAL CARE COSTS**
Technology used: IBM Cognos Analysis, IBM Cloud, Frontend technologies

Development a cutting-edge system for estimating and predicting hospitalization and medical care costs. Utilized IBM Cognos Analysis and IBM Cloud for robust analytics and data management. Seamlessly integrated web functionalities using HTML, CSS, JavaScript, and Bootstrap, ensuring intuitive user interaction and dynamic data visualization. Enhanced healthcare decision-making by providing actionable insights into cost trends and predictions. Demonstrated proficiency in analytics, cloud computing, and web development to drive efficiencies in healthcare management.

INTERNSHIPS

- Completed internship on Data Analytics using IBM Cognos Analytics at SmartBridge platform.

SKILLS

- **BASICS:** ReactJS | Excel | Git
- **MODARATE:** Python | Problem Solving | HTML | CSS | JavaScript
- Implementing the Some **Machine Learning Algorithms** in Python
- Hands on **IoT (Internet of Things)**
- Good Communication Skills

ACHIEVEMENTS & CERTIFICATIONS

- 1st prize in **ESPARKS 2020** held in **JNTUK** for my team project
- 1st prize in **POLY VEDA 2020** held in **ADITYA POLYTECHNIC COLLEGE**
- 2nd prize **SAHAstra 2020** held in **GEIT College**, Rajahmundry

- Achieved **MTA Python** from **MICROSOFT**
- Achieved **AUTOCAD Certificate** from **AUTODESK**

CODING PROFILES

- **HackerRank:** www.hackerrank.com/chakradharmerne1
- **Leetcode:** leetcode.com/chakradhar2210
- **Geeks For Geeks:** [geeksforgeeks.org/user/chakradharm2210](https://www.geeksforgeeks.org/user/chakradharm2210)
- **Coding Ninjas:** www.codingninjas.com/studio/profile/Chakradhar22
- **Github:** github.com/Chakradhar22

MY ABLITIES

- Sincere & Dedicated to work given.
- Quick learning & Confident.
- I am able to change my Domain.

DECLARATION

I hereby declare that all the above-mentioned information is true to my knowledge.

(M.Chakradhar)