Gowtham Nukala

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Professional Experience

Machine Learning & Deep Learning Extern, 2023 Jan – 2023 May
SmartInternz (Powered by Google Developers & NEAT) Hyderabad(remote), India

- Successfully completed the Machine Learning & Deep Learning-23 externship program. •
- Acquired hands-on experience in building and optimizing machine learning and deep learning models. 2023 Jan – 2023 May Hyderabad (Remote), India
- Worked on supervised and unsupervised learning techniques, neural network design, and project deployment.
- Gained proficiency in Python, TensorFlow, Keras, and Scikit-learn for developing scalable solutions. •Fulfilled all project requirements, demonstrating problem-solving and analytical skills

Skills

Technical Skills

Programming Languages: Python, DSA, JavaScript, Node.js, HTML, CSS

Databases: MySQL

Tools: Git, Visual Studio Code

Behavioral Skills

- Leadership
- Team Player

Education

Bachelor of Technology in Electronic's and Communication Engineering, 2020 – 2024
Seshadri Rao Gudlavalleru Engineering College, India.
CGPA : 7.0

Intermediate (MPC), *Sri Chaitanya Junior College* 2018 – 2020
CGPA : 8.3

10 Grade, *Sri Chaitanya Techno School* 2018
CGPA : 9.2

Certificates

- The Joy Of Computing Using Python - NPTEL (2023)
- AWS Academy Graduate - AWS Academy Machine Learning Foundations
- Machine Learning and Deep Learning – Google Developer Program (2023)

Projects

Enhancing Parkinson's Disease Detection Accuracy Using Vocal Biomarkers 2024 Jan – 2024 Apr

- Authored a paper that detailed innovative techniques applied for improving model precision by 20% when analyzing complex medical datasets associated with Parkinson's disease, published in IRJET.
- Analyzed over 1 million medical records to enhance early detection strategies for Parkinson's disease, producing actionable insights that contributed to improved diagnostic protocols within healthcare settings.
- Conducted comprehensive studies leading up to publication showcasing how optimized feature selection elevated predictive accuracy by processing over 1 million records within existing healthcare datasets relevant for Parkinson's detection.

Smart Attendance System Using Face Recognition 2023 Sep – 2023 Dec

- Developed an Analyzed face recognition system to simplify attendance tracking, reducing manual effort by 80%.
- Built a training database with 100+ faces using Python and OpenCV, ach5% accuracy.
- Automated attendance logging into spreadsheets, improving administrative efficiency by 50%.

IoT-Based Moisture Control System for Plants 2023 Jun – 2023 Dec

- Designed and developed an intelligent soil moisture sensing network that autonomously controls irrigation schedules based on environmental factors, ensuring healthy growth conditions for over 100 indoor plants without user intervention.
- Reduced water usage by 30% through precise moisture level detection.
- Developed a fully implemented watering system utilizing sensor data to determine optimal soil hydration levels; reduced unnecessary water usage by approximately 30% while maintaining the health of diverse plant species.

An Evaluation Of Gold Covering And Plastic Manufacturing(CSP) 2023 Jan – 2023 May

Process and making of gold covering and plastic manufacturing.

Personal Portfolio Website

Delivered an engaging online presence through the creation of a portfolio site featuring interactive elements; garnered feedback from peers leading to streamlined project presentations and increased engagement rates by approximately 30%.

AWARDS & ACHIEVEMENTS

Participated in presenting the real-time model for Moisture Controller System at V.R. Siddhartha Engineering College, 2023., 2023

V.R. Siddhartha Engineering college, Vijayawada

Published research on Parkinson's Disease Detection in IRJET, 2024.

Languages

- Telugu
- English
- Hindi

Interests

Networking technology, IoT innovations, and exploring machine learning applications.

Declaration

I hereby declare that the details and information given above are complete and true to the best of my knowledge.

Gowtham Nukala