

SANDEEP PALLERI

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WORK EXPERIENCE

AICTE – EDUSKILLS VIRTUAL INTERNSHIP

AI-ML Intern

Hyd

May 2023 – Jul 2023

- Completed virtual internship program focused on AI and ML, with training in AWS Academy Machine Learning Foundations and AWS Academy Cloud Foundations.
- Applied acquired knowledge and skills to complete assigned assignments in the program, showcasing practical experience in AI and cloud computing.
- Demonstrated proficiency in AWS technologies and gained hands-on experience in machine learning concepts.

EDUCATION

CMR ENGINEERING COLLEGE

Bachelor of Engineering in Computer Science and Engineering College
Specialization in Artificial Intelligence and Machine Learning

Medchal, Hyd

Expected July 2024

Cumulative GPA: 7.5/10

Robotics Club Spokesperson, Class Representative

SRI CHAITANYA JUNIOR KALASALA

Class 12th in PCM

Alwal, Hyd

Jun 2019 - Mar 2020

Cumulative GPA: 6.7/10

LITTLE FLOWER HIGH SCHOOL

Class 10th

Alwal, Hyd

Jun 2017 - Mar 2018

Cumulative GPA: 7.5/10

PROJECTS

OBJECT DETECTION USING YOLO

Jul 2023

- Implemented real-time object detection using pre-trained YOLOv3 model and COCO dataset, achieving accurate detection and classification of multiple objects in diverse scenarios.
- Optimized system efficiency through batch processing, frame size reduction, and non-maximum suppression, resulting in faster processing and cleaner output.
- Developed a visually appealing object detection system with unique class-specific colors, enhancing user experience and interpretability of the detected objects.

FRAUDULENT FIRM CLASSIFICATION

Jul 2023

- Implemented machine learning model (Random Forest, Linear Regression) to detect fraudulent firms, increasing accuracy and reducing false positives.
- Evaluated system performance using accuracy, precision, recall, and F1 score, enabling data-driven decisions for enhanced fraud detection.
- Leveraged current and historical risk factors to develop a robust classification system, improving fraud detection capabilities.

PHISHING WEBSITE DETECTION USING MACHINE LEARNING TECHNIQUES

Apr - Jun 2023

- Developed a user-friendly Streamlit web application empowering users to independently verify the authenticity of URLs, enhancing online safety practices.
- Created a Phishing Websites Detector using various machine learning algorithms, such as decision trees, Random Forests, and KNN, to accurately identify malicious URLs.
- Contributed to online security by providing individuals with a reliable tool to proactively detect and avoid phishing websites, mitigating the risk of cyber threats.
- Tools Used: HTML, CSS, JAVASCRIPT, NUMPY, PANDAS etc.

HAND GESTURE CONTROLLED ROBOT

Apr - May 2022

- Designed and implemented a cutting-edge hand-gesture control interface for a car-robot, revolutionizing the way users navigate and interact with the system.
- Developed a robust electronic and mechanical system, integrated with a programmable interface controller, to ensure precise and responsive control of the robot.
- Transformed user experience by creating an innovative controlled assist system, enhancing safety and efficiency in navigating the car-robot.

AI – CHATBOT

Aug - Sep 2021

- Developed and implemented a Conversational AI platform that leverages FAQ data to provide accurate and prompt responses, improving customer satisfaction and reducing support team workload.
- Successfully enhanced user experience by creating an intelligent Chatbot solution that efficiently addresses customer inquiries, resulting in improved engagement and streamlined support processes.

SKILLS

- **Technical Skills:** C, C++, Python, SQL, Data Analytics, Data Visualization, Data Processing
- **Technologies:** HTML, CSS, JavaScript
- **Frameworks and Packages:** NumPy, Pandas, NLP, Matplotlib
- **Algorithms:** Decision Trees, Random Forest, KNN

CERTIFICATIONS

AWS ACADEMY GRADUATE

- AWS Academy Machine Learning Foundations
- AWS Academy Cloud Foundations

Jun 2023

May 2023

AUTOMATION ANYWHERE

- Introducing Robotic Process Automation

Dec 2023

SPOKEN TUTORIAL

- Certified by Spoken Tutorial for completion of-
 - C++
 - Python Programming

ADDITIONAL INFORMATION

COMPETITIVE SPORT

- Part of Department Cricket team – CMREC.
- Part of Institute Football Team securing 1st Prize (Sep – 2017).
- Securing 1st Prize in Inter school cricket championship.

ACHIVEMENTS

- Awarded for participating in Electrical quiz conducted by Pragnya'22 JNTUH.
- Participated in Internal Hackathon for SIH-2022.
- Participated in Science Expo.
- Participated in the 12th National Cyber Olympiad held in the year 2012.

WORKSHOP / BOOTCAMP'S

- Attended one day workshop on IPR Conducted by NIPAM (Jan-2023).
- Attended one day workshop on Latex using Overleaf Editor.
- Completed SQL Essential Bootcamp, C++ programming Essential Bootcamp Conducted by Let's Upgrade.
- Completed Tata Data Visualization: Empowering Business and Effective Insights Virtual program by Forage.
- Currently enrolled in Full Stack Web Development course by Udemy, actively expanding knowledge and skills in front-end and back-end web development techniques, frameworks, and tools.