

PONUGANTI JAYA CHANDRA RAO

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Equipped with strong problem-solving abilities, willingness to learn, and excellent communication skills. Poised to contribute to team success and achieve positive results. Ready to tackle new challenges and advance organizational objectives with dedication and enthusiasm

Skills

Programming & Querying : Python, Java, Deep learning, salesforce Administration, Html

Data Visualization Tools : Ms Excel

Experience

Data Engineering Virtual Internship | *Virtual*

Successfully completed a 10-week virtual internship in Data Engineering offered by AICTE & EduSkills in partnership with AWS Academy.

Understood the architecture of modern data platforms and data lakes.

Explored Python-based tools and scripts for processing large datasets

Projects

Creating Alert Messages Based on wild Animal Activity Detection using Hybrid Deep | *Deep learning*

- Developed a deep learning-based system for wild animal activity detection using hybrid neural network model
- Implemented Convolutional Neural Networks (CNNs) for spatial feature extraction from image/video data.
- Integrated hybrid model architecture to improve accuracy and real-time alert generation.
- Designed and trained models on wildlife datasets to classify animal presence and behavior.
- Generated automated alert messages to enhance safety for nearby human populations and reduce human-wildlife conflict.

WEATHER FORECASTING | *Python*

- Developed a basic weather forecasting tool using Python, integrating real-time data via APIs (e.g., OpenWeatherMap).
- Learned and applied data extraction, parsing, and visualization techniques to represent weather trends.
- Compared historical weather forecasting techniques with modern algorithmic approaches.
- Implemented Python functions to fetch and process weather data (temperature, humidity, pressure, etc.).

WEB SCRAPING | *Python HTML/CSS*

- Built a Python-based web scraper to extract customer product reviews from Amazon.
- Used requests library to send HTTP requests and fetch webpage content.
- Parsed HTML content using BeautifulSoup to extract relevant data (e.g., review text, ratings, reviewer names, dates).
- Stored and cleaned the scraped data for further analysis.
- Implemented exception handling to manage missing or inconsistent data.
- Understood the structure of HTML/CSS elements and tags used in Amazon's product pages.

Awards & Certifications

Python Certificate – (2023)

AWS CLOUD FOUNDATION Virtual

Salesforce Supported Virtual Internship Completion Certificate – Smartinternz

Education

Master of Computer Applications (MCA) Graduated: 2025 *CGPA: 8.08 / 10*

DECLARATION

I declare that all the information furnished above is true to the best of my knowledge.

Yours sincerely,
P JAYA CHANDRA RAO