Thatipamula Sairam

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Internship

OnlineTraining

• Proficient in Python programming language with specialized training from Programming with ***Patashala***.

• Completed comprehensive courses covering core concepts, data structures, and algorithms with ***Coursera***.

• Skilled in developing efficient and scalable code for diverse applications, demonstrating a solid foundation in Python programming through hands-on projects and assignments.

Projects

GOLD'S GYM WEBSITE   Feb 2022 - Apr 2022

• The project was to build a frontend website using HTML, CSS and JavaScript for the user.

• where the user can access all types of facilities, this project was created for the experience

LIBRARY MANAGEMENT SYSTEM   Mar 2023 - Apr 2023

• Simplify library tasks with our Python-based system for efficient cataloging and user management.

• Enhance library operations using our streamlined Python solution for seamless resource tracking.

• Optimise your library experience with our user-friendly Python Management System for easy cataloging and lending.

GOLD PRICE PREDICTION 🔗   Nov 2023

• Developed a machine learning model using Python to accurately predict gold prices, employing techniques such as regression analysis and time series forecasting to analyse historical data and identify trends.

• Technologies and Libraries Leveraged powerful Python libraries including pandas, scikit-learn, and TensorFlow to preprocess data, train models, and evaluate performance, ensuring high accuracy and efficiency in predictive analytics.

FEATURE DETECTION USING HARRIS AND FAST OPERATORS FOR REAL-TIME VIDEO ANALYSIS 🔗   Nov 2024

• Implemented and analyzed Harris and FAST feature detection algorithms for real-time video analysis.

• Optimized accuracy and computational efficiency for object tracking and image recognition.

• Compared performance trade-offs between precision and speed in feature detection.

• Evaluated real-time applicability for motion analysis and scene understanding.

DEEP LEARNING ASSIGNMENTS 🔗   Mar 2025

• The platforms, programming languages, and libraries utilized. For instance: "Utilized Google Colab for cloud-based development, employing Python, TensorFlow, and Keras for deep learning model implementation."

• Designed and trained convolutional neural networks (CNNs) for image classification tasks, achieving an accuracy improvement of 15% over baseline models

• The model's predictions led to a 10% increase in sales forecasting accuracy, directly contributing to more informed business decisions

Certifications

• Operating Systems	Apr 2023
• Computer Architecture	Feb 2023
• The Bits and Bytes of computer networking	Sep 2023
• Database Management System	Oct 2023
• Game Design and Development	Mar 2024
• Natural Language Processing with Attention Models	Apr 2024
• Robotic Process Automation Honeywell	Feb 2025

Technical Skills

- **Programming Languages:** Python, Java
- **Technologies/Frameworks:** HTML, CSS, JavaScript, WordPress, SQL
- **Major:** Machine Learning, NLP(Natural language processing), DeepLearning
- **Soft Skills:** Communication, Teamwork, Problem-solving, Critical thinking and Adaptability

Education

Lovely Professional University-Punjab	2021 – 2025
B-Tech / Computer Science and Engineering : CGPA: 6.6	Jalandhar, Punjab
SR Jr. College-Nizamabad	2019 – 2021
12th Standard — Percentage : 74%	Nizamabad , Telangana
Narayana School-Hyderabad	2018 – 2019
10th Standard — CGPA : 9.3	Hyderabad, Telangana