Tarun Naga Venkata Durga Saikumar Modadugu

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Skills

C	C++
python	Core Java
HTML	Git
SQL	Numpy
MongoDB	Pandas
Network	Shell scripting
YAML	Linux
Python CGI	DSA
AWS	Docker

Languages

Telugu 4.0/5.0
Hindi 3.5/5.0
English 4.0/5.0

Interests

Trading
Coding
Reading Books

Professional Summary

To seek and maintain a full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills.

Certifications

- Ethical Hacking -NPTEL
- Google IT Support -Coursera
- Azure Fundamentals(AZ-900)
- Microsoft Machine Learning - Standford University (Coursera)

Education

Andhra Loyola Institute of Engineering and Technology CGPA-7.73

Bachelor's of Technology (2019 - 2023) Computer science and Engineering

Projects

Lung Cancer Detection using CNN **-python**

- Developed a model using Convolution Neural Network(CNN) for lung cancer detection.
- Implemented data augmentation techniques, such as rotation, flipping, and scaling, to increase the size of the dataset and improve the model's robustness.
- Built and trained a CNN model with multiple convolutional and pooling layers to identify patterns in CT scan images and classify them as either cancerous or non-cancerous.

Cryptocurrency Price Analytics using Artificial Intelligence **- python,Django**

- Designed and implemented an artificial neural network (ANN) model using TensorFlow to predict future cryptocurrency prices based on historical price data.
- Built a long short-term memory (LSTM) model to improve prediction accuracy by considering the temporal nature of cryptocurrency price movements.
- Built an offline Django website that provides users with a user-friendly interface to access and visualize the predictions made by the ANN and LSTM models.

Internships

Indian Servers pvt ltd (March 2022-May 2022) ID no: Indserv22a004

- Completed an internship in machine learning, with a focus on lung cancer detection.
- Gained expertise in data preprocessing, cleaning, and visualization techniques using Python and popular data science libraries such as NumPy, Pandas, and Matplotlib.
- Learned various machine learning techniques such as supervised and unsupervised learning, regression, classification, and clustering, and gained practical experience in implementing these techniques in real-world scenarios.

Andhra Pradesh Technology Services (Apr 2023-October 2023)

- Assisted the cybersecurity team in conducting VAPT for various systems and applications.
- Performed vulnerability assessments using automated tools and manual techniques to identify security weaknesses.
- Conducted penetration testing to exploit identified vulnerabilities and evaluate the effectiveness of existing security controls.
- Documented findings, prepared detailed reports, and provided recommendations for remediation.Collaborated with team members to develop and implement security best practices
- and policies.

Achievements

- Published a Research paper on the topic "A NOVEL APPLICATION OF ARTIFICIAL INTELLIGENCE USING ANALYTICS FOR PRICING THE CRYPTOCURRENCY"
- Participated in Nahemcon CTF and stood at 721/2665 teams .