Ponnala Vihaarika

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Software Engineer

EDUCATION

B-Tech in Data Science	Aug 2021 – May 2025
Institute of Aeronautical Engineering (IARE), Hyderabad	CGPA: 8.21/10
Intermediate (MPC)	2018 – 2020
Narayana Junior College	Score: 968/1000
SSC (High School)	2016 – 2018
Sri Chaitanya High School	GPA: 9.7/10

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, HTML, CSS
Machine Learning: CNN, Python Libraries
Tools & Platforms: MySQL, Azure DevOps, Azure Platform, Jenkins, CI/CD

PROJECTS

Skin Disease Prediction Using Machine Learning   2023

Developed a machine learning model using Convolutional Neural Networks (CNNs) to classify skin diseases from dermatological images. Designed and trained a CNN architecture to achieve high prediction accuracy.

Event Organizer Console Application (Java)   2022

Created a Java console application utilizing OOP concepts, exception handling, and multithreading for efficient event management. Implemented multithreading for real-time updates and robust error handling to enhance system stability and efficiency.

Kidney Stone Prediction Using Deep Learning   2024

Developed KidneyNet-V: a customized MobileNetV2 model for kidney stone detection, achieving 99.71% accuracy. Optimized model architecture for efficiency with data augmentation and regularization techniques. Deployed via Streamlit, enabling real-time kidney stone detection in CT images for healthcare use.

CERTIFICATIONS

- Microsoft: AZ-900 Microsoft Azure Fundamentals (Certified)
- Great Learning: Certificate in HTML, Certificate in CSS
- TDA: Certificate in Java Programming
- NPTEL: Data Structures and Algorithms using Python