Nithin Anaparthi

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EDUCATION

Wright State Universirty — Dayton,Ohio,US
Master of Science in Computer Science(pursuing) — Aug2024 -May2026

Vellore Institute of Technology(Vellore) — Tamil Nadu, India
Computer Science with specializtion Data Science, Bachelor of Technology, CGPA: 7.97. — May2020-May2024

SKILLS

Programming Languages: Java, Python, C/C++,R,PHP,Javascript
Software Development and Frameworks: Data Structures and Algorithms,Machine learning,Cryptography
Web Development Frameworks: React, Express js , Figma ,Tailwind CSS
Databases: MongoDB, PostgreSQL, MYSQL

PROJECTS

Early Diagnosis of Chronic Kidney Disease Using Machine Learning

- Developed a machine learning model using a stacking classifier that combines ExtraTree, RandomForest, AdaBoost, and XGBoost algorithms.
- Achieved superior performance and reliability in predicting chronic kidney disease.
- Designed and deployed a web application using the Django framework to facilitate easy interaction with the machine learning model.
- The web interface allows healthcare professionals to input patient data and receive immediate diagnostic predictions, enhancing the practical utility of the model in clinical settings.

Machine Learning Model for Brain Tumor Detection Using MRI Images

- Developed an AI model using ANN and CNN for accurate brain tumor detection from MRI images, achieving over 97% predictive accuracy through advanced data preprocessing and augmentation techniques.
- Led a research team to create an ensemble model, enabling rapid diagnosis to assist radiologists in making informed decisions.

MachineStreamlined Online Food Ordering System

- Designed and implemented an online food ordering system using PHP, MySQL, and Vanilla CSS, enhancing customer service and operational efficiency with distinct client and admin interfaces.
- Enabled real-time order updates, comprehensive menu management, order oversight, and analytics, improving dining experiences and operational insights.

Secure Chat Application Developer (AES Encryption)

- Engineered a chat application with AES encryption to ensure end-to-end secure communication, incorporating session timeouts, biometric authentication, and screenshot restrictions for enhanced user privacy.
- Conducted research on cryptographic techniques, resulting in an educational module about AES operations included within the application.

CERTIFICATION

- **E-Train India-** AI-900: Microsoft Azure AI Fundamentals
- **NEO COLAB:** Data Structures & Algorithm concepts offered by iamneo.

PUBLICATIONS

Title: "EMPLOYING A DECENTRALIZED APPLICATION BASED ON WEB 3.0"in International Research Journal of Modernization in Engineering Technology and Science.
DOI : https://www.doi.org/10.56726/IRJMETS31226 — Date: 15-NOV-2022