NITHIN R

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Objective

Motivated and enthusiastic fresher with a strong foundation in information technology. Skilled in core programming and database tools, with experience in version control systems. Eager to apply knowledge in a dynamic environment, contribute effectively to team projectts, and continually learn to support organizational growth.

Projects

AI R&D Intern

Stradegi solutions | Chennai, Tamil Nadu
June 2025 – Present

- Developed a solution combining metadata analysis and a CNN model, achieving 93% Accuracy in fake image detection.
- Collaborated on creating and refining GPT prompts, enhancing system performance.
- Identified and addressed application red flags, improving overall applications reliability.

Projects

Image Steganography Based on Bald Eagle Search with Chaotic Encryption

Tech Stack: Python, OpenCV, PIL

- Developed a secure data-hiding system by integrating image steganography with chaotic encryption algorithms, successfully enhancing confidentiality and resistance to unauthorized data extraction in digital communication.
- Gained Knowledge in advanced cryptographic techniques, image processing, and cybersecurity principles.

Early Detection of Coronary Heart Disease

Tech Stack: Python, Pandas, Scikit-learn

- Developed a machine learning-based system to predict coronary heart disease at an early stage by analyzing patient medical data without relying on expensive tests.
- The model was trained to detect critical patterns and classify the risk of heart disease, achieving an accuracy of 83%.

Cyberbullying Detection and Severity Analysis System

Tech Stack: LSTM Neural Networks, Python, NLTK

- Developed a deep learning–based cyberbullying detection system analyzing social media posts, integrating fuzzy logic to classify severity as Low, Medium, or High for effective moderation.
- Applied advanced NLP techniques to achieve high accuracy, delivering a scalable solution for online safety and ed-tech platforms.

Skills

- **Programming Language**: Python
- **Version Control Systems**: Git, GitHub
- **Database**: MySQL
- **ML Frameworks:** scikit-learn, Pandas, NumPy
- **Deep Learning:** Tensorflow, CNN
- **AI & NLP:** Prompt Engineering
- **Soft Skills:** Adaptability, Problem-solving, Emotional intelligence

Educational Qualification

B.Tech – Information Technology

SASTRA Deemed University, Thanjavur
2021 – 2025

Class XII

Sacred Heart Matric Hr Sec School, Chennai
2020 –2021

Certification

- Fundamentals of AI Agents Using RAG and LangChain, IBM
- Generative AI: Prompt Engineering Basics, IBM
- Supervised Machine Learning: Regression and Classification, DeepLearning.AI