AADHITHIYA J

AI & Machine Learning Engineer

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PROFESSIONAL SUMMARY

AI developer with hands on experience in machine learning, deep learning, NLP, computer vision, and AI-powered web applications. Skilled in Python, Scikit learn, TensorFlow, PyTorch, Streamlit, Flask, and deployment of scalable ML systems.

EDUCATION

B.E. Computer Science   **2023 - 2027**

Annamalai University | CGPA : 8.51

Relevant Coursework: Machine Learning, Artificial Intelligence, Data Structures, Operating Systems, Database Management Systems

PROJECTS

AI Content Research Agent (LLMs & Automation)

Tech Stack: Python, AI Agents, APIs, Automation

- This project involved developing an autonomous AI agent designed to gather, analyze, and summarize web content.
- It was built to automate repetitive research tasks, thereby increasing efficiency in content curation and analysis.

Medical Diagnosis System (Predictive Analytics)

Tech Stack: Machine Learning, Data Analysis

- A predictive system that utilizes machine learning models to determine disease outcomes. Achieved 84.3% accuracy on the validation set
- The development process included comprehensive data preprocessing, feature selection, and model evaluation to ensure accurate diagnostic predictions.

Customer Churn Prediction

Tech Stack: Pandas, Scikit-Learn, Streamlit

- An end-to-end system built to predict customer attrition.
- It features an interactive Streamlit dashboard that allows for real-time predictions, helping businesses identify at-risk customers through data-driven insights.

SKILLS

Programming: Python, Java, SQL, C/C++

Frameworks & Backend: React, Streamlit, Flask, FastAPI, Node.js, PHP

Databases: MySQL, MongoDB, SQLite

Version Control & Tools: Git, GitHub, REST APIs, Linux, Deployment

AI/ML Specifics: TensorFlow, PyTorch, NLP, Computer Vision, AI Agents

CERTIFICATIONS

Machine Learning – Andrew Ng (Coursera)

Fundamentals of AI – IBM

Cloud Computing – IIT Kharagpur (NPTEL)

CyberSecurity & Privacy – IIT Madras (NPTEL)