Dhavala T S

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CAREER OBJECTIVE

Aspiring data scientist with expertise in machine learning, data analysis, and predictive modeling.

WORK EXPERIENCE

Research • Internship   Sep 2024 - Present
Samsung R &D Institute, Virtual

As a research intern, I'm working on automation of post link optimization in Linux x86 and Android ARM 64 primarily via profile guided optimization(PGO), using Python for automation and Gtest, ADB. Also using technologies such as LTO and BOLT.

Data Science • Internship   Aug 2024 - Present
Oasis Infobyte, Virtual

Worked on projects like flower classification in iris dataset, Unemployment analysis, car price prediction, SMS spam filtering and sales prediction using relevant Machine Learning techniques

Python Development • Internship   Aug 2024
Octanet Services Private Limited, Virtual

Worked on an ATM simulation in Google colab which takes input of ATM pin and checks pin , withdrawal of money, deposit money, check balance, change pin.

Data Science • Internship   Aug 2024 - Sep 2024
Codeclause Private Limited, Virtual

As an intern at Codeclause,I developed a ML model to detect fraudulent activities in credit card transactions(task 1),an advanced model using XGBoost for the same and golden project- heart disease prediction(random forest) with streamlit UI

EDUCATION

Bachelor of Engineering (B.E), Data Science   2022 - 2026
Ramaiah Institute Of Technology

TRAININGS / CERTIFICATIONS

Artificial Intelligence   **Data Science**
Jul 2024 - Present   Mar 2024

Infosys Springboard, Virtual   Skillsoft, Virtual

Selected as a part of Pragati program of Infosys Springboard
(cohort 2)

Microsoft Azure Data Fundamentals Cloud Skills   **Microsoft Azure AI Fundamentals Cloud Skills**
Challenge   **Challenge**
Feb 2024 - Mar 2024   Jan 2024

Microsoft, Virtual   Microsoft, Virtual

Participated in students ambassador clouds skills challenge on   Was an active skills challenge on Microsoft Learn. Got to learn
Data science concepts and earned badges and certificate.   new essential skills and earned badges and certificates.

AI
Dec 2023

Skill Nation, Virtual

Gained experience in a workshop for ChatGPT prompts and use
of various AI tools

PORTFOLIO

GitHub link ↗

Portfolio link ↗

Kaggle link ↗

CodeChef link ↗

Leetcode link ↗

HackerRank link ↗

PROJECTS

Heart disease prediction ↗
Aug 2024 - Sep 2024

Heart Disease Prediction System Using Machine Learning

This project aims to predict the likelihood of heart disease based on various health metrics input by the user. Using a user-friendly interface built with Streamlit, users can enter data such as age, sex, cholesterol levels, and more. The system processes this input and utilizes a Random Forest Classifier (built using Scikit-Learn) to assess the risk of heart disease.

Key features include:

A clean and intuitive UI for health data input.
Real-time prediction using a pre-trained machine learning model.
Seamless integration of data preprocessing and model inference.
Technologies used: Python, Streamlit, Scikit-Learn, Pandas, Joblib, and NumPy.

This project enhances the understanding of cardiovascular risk factors and demonstrates the practical application of predictive models in healthcare.

Green chips ↗
Sep 2023 - Nov 2023

Developed an effective E-waste management system which helps people connect with E-waste disposal centres and helps disposers get an estimate of the money they might get based on uploading pictures of the e-waste they are about to dispose

Parkinson's Episode Prediction System ↗
Mar 2024 - Jun 2024

Developed an AI system to predict the off episodes of Parkinson's disease based on parameters like Alpha synuclein dopamine and sp02

SKILLS

- Python
- Machine Learning
- English Proficiency (Written)
- SQL
- R Programming
- Power BI
- CSS

- Data Analytics
- Deep Learning
- English Proficiency (Spoken)
- Natural Language Processing (NLP)
- Data Structures
- Microsoft Azure

- MS-Excel
- Neural Networks
- Data Science
- Algorithms
- MS-PowerPoint
- HTML

EXTRA CURRICULAR ACTIVITIES

- An active member of the IEEE Computer Society club of Msrit which hosts technical events
Also an active member of NSS club

ADDITIONAL DETAILS

- Won first in FantomCode'24 held during 16-17th may in RVITM cracked the ideation round to be a part of the 24 hour hackathon We worked on AI driven Parkinsons off episode prediction based on the chemicals such as alpha-synuclein, dopamine and spO2

- Extracurricular Leadership Experience: Execom Member, IEEE Computer Society Jan 2024 – Present Organized technical events like debugathons, and coding competitions. Coordinated workshops and seminars on emerging technologies

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