Dhina Karan MS

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ABOUT ME

Passionate Computer Science undergraduate specializing in AI and ML, with strong skills in Python, C, SQL, and Java. Experienced in data structures, algorithms, and machine learning techniques like KNN and linear regression. Proficient in problem-solving, teamwork, and decision-making, with a focus on leveraging technology to solve real-world challenges

EDUCATION AND TRAINING

CURRENT COIMBATORE, India
BE CSE(AI&ML) KIT-KALAIGNAR KARUNANIDHI INSTITUTE OF TECHNOLOGY

Final grade 8.23 | **Level in EQF** EQF level 6

CERTIFICATION

22/07/2024 – 11/10/2024
NPTEL -The joy of computing using Python

ISSUED BY: NPTEL
Insights: "I received an Elite **ELITE Certifications** in the **NPTEL** course 'THE JOY OF COMPUTING USING PYTHON' for the semester from July to October 2024, where I scored **72%**".

Machine Learning Basics

Issued by: Sungkyunkwan University through Coursera
Insights : Learned machine basics , common algorithm used in machine learning such as KNN, Linear regression and basic model analysis.

Python (Basic)

Issued by: HackerRank
Insights: Learned python basics, input & output handling, data flow control using loops, control statements and improved my problem solving skills.

01/12/2024 – 29/12/2024
Get Started with Python

Issued by: Google through Coursera
Insights:
- Learned Python fundamentals, including syntax, variables, and data types.
- Gained understanding of Object-Oriented Programming concepts.
- Developed skills in data manipulation and input/output handling.
- Explored basic inbuilt libraries for solving real-world problems.

Python Foundation Certificate

Issued by: Infosys Springboard
Insights: Intermediate (level)Python
- Understanding of Object Oriented Programming Language
- Data Manipulation
- input/output handling
- Basic inbuilt libraries

20/01/2025 – 14/02/2025
NPTEL - Design Thinking - A Primer

Issued by : NPTEL
Insights:
- Completed NPTEL Design Thinking course with Elite (68%).
- Learned basics of user-centric design and problem-solving.
- Gained skills in ideation, prototyping, and testing
- Improved creative thinking and innovation approach.

SKILLS

Known Skills

- Python (Intermediate)
- C Programming (Basics)
- C++(Basic)
- SQL(basic)
- Data Handling Using Pandas
- Known Libraies: Numpy,Pandas,matplotlib,streamlit

PROJECTS

CURRENT
FOOD DELIVERY TIME PREDICTION USING REGRESSION MODEL

Description:
Developed a machine learning model to predict food delivery times based on various factors using a linear regression model. The project aimed to estimate delivery time accurately based on key input parameters.
Key Features:
- **Input Features**:
  - Delivery Distance (km), Time of Day, Weather Conditions, Traffic Level, Courier Experience, and Preparation Time.
- **Exploratory Data Analysis (EDA)**:
  - Conducted EDA to analyze the relationships between input features and delivery time, identify patterns, and handle missing or inconsistent data.
- **Model Building**:
  - Built and trained a linear regression model to predict delivery time based on the selected features.
- **Model Evaluation**:
  - Evaluated the model using performance metrics like Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE) to assess accuracy.
- **Tools Used**:
  - Python, Pandas, Scikit-learn for model implementation, and Streamlit for building the user interface.
- **Frontend Development**:
  - Designed an interactive user interface using Streamlit, allowing users to input relevant data and get real-time delivery time predictions.

Outcome:
Successfully built and deployed a functional regression model capable of predicting food delivery times, with a user-friendly interface for practical application.

INTENSHIPS

27/12/2024 – 06/01/2025
Machine Learning Internship

Organization: Appin Technology, Coimbatore
Project: **Food Delivery Time Prediction Using Regression Models**
Overview:
During my internship, I worked on a mini-project focused on predicting food delivery times using machine learning regression models. The project aimed to estimate delivery times based on factors such as trip distance, traffic, and courier experience.

WORKSHOPS

How to gain Carrer Advantage with Generative AI Tools

ISSUED BY: Nxtwave Pvt Ltd

Transforming Tomorrow with AI

ISSUED BY: KIT-Kalaignar Karunanidhi Institute Of Technology

GEN AI in IT Industry

ISSUED BY: KIT-Kalaignar Karunanidhi Institute Of technology