ABHARNA K

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SUMMARY

As a college student, I aspire to excel in data analysis and machine learning, leveraging my analytical skills to tackle real-world challenges. Eager to contribute insights and drive informed decision-making in pursuit of organizational success.

EDUCATION

10/2022 -Present   **B. Tech** Artificial Intelligence & Data Science, Kumaraguru College of Technology

Cumulative **GPA: 3.5/4.0**

PROJECTS

January 2024

Plant Disease Detection(Tensorflow, Keras)

- Developed a deep learning model for plant disease detection, capable of classifying plant leaf images into diseased or healthy categories and identifying specific diseases.
- Trained the model using a dataset consisting of images of 20 common plants with both diseased and healthy leaf samples and achieved an accuracy rate of nearly 95%.

March 2024

Crop Recommendation System(Naïve Bayes, Pandas)

- Designed and implemented an efficient crop recommendation system that assists farmers in selecting the most profitable crops based on factors such as nutrient levels, and environmental conditions.
- Utilized diverse machine learning algorithms to optimize crop recommendations.
- Gained valuable insights into the application of machine learning algorithms within the agricultural domain.

April 2024

Portfolio

- Developed a responsive portfolio website using HTML, CSS, and JavaScript to showcase technical skills and project accomplishments.

WORK

03/2024-04/2024

CODSOFT | Data Science Intern

- Conducted exploratory data analysis (EDA) on various datasets to uncover patterns, trends, and outliers.
- Developed and implemented predictive models to forecast future trends and outcomes, contributing to improved decision-making processes.
- Applied classification algorithms such as logistic regression, decision trees, and random forests to categorize data into relevant groups.

SKILLS

• Data Analysis • Python Programming • Machine Learning • Scikit-Learn • Html

EVENTS

TANCAM Hackathon

- Actively participated in a Hackathon organized by TANCAM focusing on the theme of Smart Agriculture Infrastructure.
- Demonstrated problem-solving skills by analyzing agricultural data and proposing tailored recommendations to optimize crop selection for farmers.