Varsha Thakur

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github.com/27-varsha

Summary

My name is Varsha Thakur, and I come from Bengaluru, Karanataka. I am passionate about learning new things and enjoy working on innovative projects. I have a strong interest in technology and problem-solving, especially through data and machine learning. I'm a team player with good communication skills and a constant drive to improve. Outside of academics, I enjoy dancing, music, and exploring creative ideas. I aim to contribute meaningfully wherever I go and grow both personally and professionally..

Education

Kensri School 2010 - 2020

- **Coursework:** Central Board of Secondary Education (CBSE)

Presidency College 2020 - 2022

- **Coursework:** PCMB

B.M.S College of Engineering 2022 - 2026

- **Coursework:** B.E in Artificial Intelligence and Machine Learning

Skill Summary

Languages: Python, HTML, CSS, SQL

Frameworks: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, PyTorch

Tools: Power BI, Excel, PowerPoint, Tableau

Platforms: Jupyter Notebook, Visual Studio Code, Google Colab

Experience

Python Programming Intern () April 2024 - June 2024

- Contributing to projects by developing features or fixing bugs.
- Proficient in Python's basic syntax, including variables, data types, and operators.
- Familiar with Python's built-in data structures, such as lists, tuples, sets, and dictionaries. Importing and utilizing standard Python libraries efficiently
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Projects

Fraud Detection in Ethereum Cryptocurrency Transactions github.Ethereum-Fraud-Detection

- This project detects fraudulent transactions on the Ethereum blockchain using Machine Learning. Ethereum, as a decentralized blockchain platform, facilitates millions of transactions daily. However, its anonymity and lack of central regulation make it susceptible to fraudulent activities such as money laundering, phishing, and Ponzi schemes.
- Tools Used: Python, XGBoost, TensorFlow, Blockchain Analytics

Customer Churn Prediction github.Customer Churn

- A machine learning pipeline to predict customer churn based on behavior and service usage data from a telecom company. This project includes data preprocessing, feature engineering, model tuning, and evaluation using Python and Scikit-learn. The goal is to build a binary classification model that predicts whether a customer will churn (Yes or No).

- Tools Used: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, SMOTE (for data balancing)

Personal Portfolio Website github.Portfolio

- Developed a responsive and visually appealing personal portfolio to showcase my skills, projects, and achievements. Implemented custom design layouts, including navigation, project showcase, and contact sections.
- Tools Used: HTML, CSS, JavaScript (for data balancing)
- Link for the website: Personal Portfolio

Certifications

Completion in Data Science Job Simulation from British Airways(Forage)

- Completed a simulation focusing on how data science is a critical component of British Airways success
- Scraped and analyzed customer review data to uncover findings. Built a predictive model to understand factors that influence buying behavior

Microsoft Power BI workshop(OfficeMaster)

- Learned how to create AI powered interactive dashboards

Supervised Machine Learning: Regression and Classification(Coursera)

- It introduces the fundamentals of supervised learning. It covers key concepts like linear regression, logistic regression, loss functions, and gradient descent.