SAKTHIKUMAR

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Portfolio | GitHub | LinkedIn

Professional Summary

Aspiring data analyst with hands-on experience in Python, MYSQL, MS-Excel, Power BI, and Tableau. Skilled in data collection, cleaning, visualization, predictive modeling. Fundamentals of Machine Learning and Deep Learning. Worked with real-world datasets to drive data-driven decisions and insights and deploy models using the UI of the streamlit Web

Technical Skills

Programming Languages : Python

Tools& Frameworks: MS-Excel, Power BI, Tableau, MYSQL, Streamlit

Techniques&Concepts : Data collection, cleaning, EDA, Visualization, Predictive modeling, Deployment, Web scraping and Fundamentals of Machine Learning and Deep Learning

Projects

Gold Price Forecasting | *Python, Pandas, Beautiful soup, Matplotlib, Scikit-learn, Power BI*

· Built a time series prediction model using XGBoost on historical XAU/USD gold price.

· Achieved 99% R2 score, accurately forecasting gold price trends.

· Created interactive dashboard in Power BI to visual insights for traders.

Credit Card Fraud Detection | *Python, Pandas, Matplotlib, Scikit-learn*

· Developed a fraud detection model using Random Forest on kaggle credit card dataset.

· Performed Exploratory Data Analysis(EDA) to understand transaction patterns.

· Achieved over 95% accuracy in identifying fraudulent transactions with visual report.

IMDB Review Sentiment Classification | *Pandas, NLTK, Regex, Scikit-learn, Streamlit*

· Built a sentiment analysis model using NLP techniques and Logistic Regression on IMDB movie reviews.

· Achieved 88% accuracy in classifying reviews as positive or negative.

· Deployed the model using steamlit with a web interface for real-time predictions.

Healthcare Management System | *Python, MYSQL, Mysql.connector, Pandas, Streamlit*

· Designed relational database for patient admissions, billing and medial results using MYSQL.

· Created stored procedures for data validation and report generation.

· Developed a Streamlit UI to retrieve patient details by name and display reports.

Experience

Completed Google Data analytics professional certificate (Coursera) and attended 30-Days Data analytics masterclass and ML&AI internship at Novitech Research &Development. Gained practical exposure and hands-on skills in Python, Excel, Power BI, Tableau, ML & DL by working on real-world projects.

Education

- **Master of Computer Application** (MCA)-The Kavery Engineering College, Mecheri - Expected 2025
- **Bachelor of Science** (B.Sc.)in **Mathematics** -The Government Arts and Science College, Dharmapuri completed in 2022.

Certifications

- Google Data Analytics Professional Certificate -Coursera.
- Data analytics 30-Days master class and ML&AI internships -Novitech R&D.