SAKTHIKUMAR M

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PROFESSIONAL SUMMARY

Aspiring data scientist with hands-on experience in Python, Java, MySQL, MS-Excel, PowerBI, Tableau, HTML&CSS and Js. Skilled in data collection, cleaning, visualization, predictive modeling ,object oriented programming and fundamentals in Machine Learning and Deep Learning. Working with real-world datasets to data-driven decisions and insights and deploying models using the streamlit Web UI.

TECHNICAL SKILLS

Programming Languages : Python,JAVA,Js
Tools & Frameworks: MS-Excel, Power BI, Tableau, MySQL, HTML&CSS, Streamlit
Techniques & Concepts : Data collection, Preprocessing , EDA, Visualization, Predictive modeling, Deployment, Web scraping, Object Oriented Programming,and Fundamentals of Machine Learning and Deep Learning.

PROJECTS

Gold Price Forecasting | Link | *Python, Pandas, Beautiful soup, Matplotlib, Scikit-learn, Power BI*
- Built a time series prediction model using XGBoost on historical XAU/USD gold price.
- Achieved a 99% R^2 score, accurately forecasting gold price trends.
- Created an interactive dashboard in Power BI to visualize insights for traders.

Bank Account Management System | Link | *Java, MYSQL, Swing GUI*
- Developed a Java Swing based GUI application to collect users information ,validate 4-digits PIN,and data store in MySQL database
- Performed deposit and withdrawal transactions with real-time balance updates.
- Integrated PIN-based security checks and display real-time transaction summaries.

Credit Card Fraud Detection | Link | *Python, Pandas, Matplotlib, Scikit-learn*
- Developed a fraud detection model using Random Forest on a kaggle credit card dataset.
- Performed Exploratory Data Analysis (EDA) to understand transaction patterns.
- Achieved over 95% accuracy in identifying fraudulent transactions with a visual report.

IMDB Review Sentiment Classification | Link | *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 streamlit with a web interface for real-time predictions.

EDUCATION

Master of Computer Application	Expected June 2025
- The Kavery Engineering College	*Mecheri, Tamilnadu*
Bachelor of Science in Mathematics	2019-2022 -
The Government Arts College	*Dharmapuri, Tamilnadu*

INTERNSHIP and EXPERIENCE

Completed the Google Data Analytics Professional certificate (Coursera) and attended the 30-Day Data Analytics Masterclass and ML& AI internship at Novitech Research & Development. Gained practical exposure and hands-on skills in Python, Java, Js, MySQL, Excel, Power BI, Tableau, HTML&CSS, ML & DL by working on real-world projects.