

JANE ROSE FERDINANT

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IEEE: <https://ieeexplore.ieee.org/document/8986220>
Portfolio: <https://janeferdinant.github.io/Portfolio-jane/>

PROFESSIONAL SUMMARY

Dynamic and results-driven Data Scientist with expertise in Machine Learning and Business Intelligence. Excels in leveraging data analysis and visualization techniques to drive strategic decision-making. Seeking to contribute skills and experience to Organization in delivering innovative data-driven solutions.

EXPERIENCE

intern Consultant, Technovalley Software India Private Limited – Ernakulam, Kerala, IN (March 2021 – December 2021)

Developed innovative anomaly detection algorithms resulting in a 20% reduction in false positives and improved system reliability.

Spearheaded the implementation of Transfer Learning in computer vision projects, optimizing model performance and reducing training time by 30%.

Led a cross-functional team in deploying a recommendation system for an e-commerce platform, resulting in a 15% increase in customer engagement and a 10% boost in sales revenue.

EDUCATION

❖ **M.Tech, Information Technology**, 04/2017 – 04/2019

School of Engineering, Cochin University of Science and Technology, Kochi, Kerala, India

❖ **B.Tech, Electronics and Communications**, 04/2011 – 04/2015

Sahrdaya College of Engineering and Technology, Thrissur, Kerala, India

SKILLS

TensorFlow, OpenCV, MATLAB, Python, Flask, Streamlit, generative AI, AI art, Docker, CI/CD pipelines, JavaScript, HTML, CSS, Jupyter Notebook, Visual Studio, PyCharm, Anaconda, Shell, IDLE, and Google Colab, AWS, GCP, AZURE
Power BI, Tableau, Scikit-learn, SciPy, Tableau, Matplotlib, NumPy, Pandas, Machine Learning, Artificial Intelligence, Data Warehousing, Business Intelligence, Python, SQL, excel
Power BI, Tableau, TensorFlow, PyTorch, Statistical Modeling, ETL Processes
ARIMA, Regression, clustering, classification, ANN, CNN, Resnet, yolo, Gan, NetworkX, prophet, LLM, Mlops

PROJECT PORTFOLIO

Sales Performance Dashboard with Power BI: Developed a comprehensive sales performance dashboard using Power BI, analyzing revenue, profit, and sales growth trends over time.

Customer Segmentation Analysis with Tableau: Conducted customer segmentation analysis using Tableau, identifying key customer segments based on demographic and behavioral attributes.

Marketing Campaign Effectiveness Dashboard with Power BI: Built a marketing campaign effectiveness dashboard in Power BI, tracking key metrics such as click-through rates, conversion rates, and ROI.

Inventory Management Dashboard with Tableau: Designed an inventory management dashboard using Tableau, monitoring inventory levels, stock turnover rates, and supplier performance.

Employee Performance Analytics with Power BI: Analyzed employee performance metrics using Power BI, including sales targets, productivity, and customer satisfaction scores.

Financial Statement Analysis Dashboard with Tableau: Developed a financial statement analysis dashboard in Tableau, visualizing revenue, expenses, and profitability metrics.

Supply Chain Optimization Dashboard with Power BI: Created a supply chain optimization dashboard in Power BI, analyzing key supply chain metrics such as lead times, fill rates, and order fulfillment accuracy.

Loan Prediction: Implemented a machine learning model for loan prediction, leveraging predictive analytics to assess and optimize lending risk.

Housing Price Prediction: Successfully devised a housing price prediction system using a combination of linear regression and gradient boosting regressor algorithms, contributing to informed real estate decision-making.

Stock Market Analysis and Prediction: Led the design and implementation of an LSTM-based model for comprehensive stock market analysis and accurate prediction, providing valuable insights to investors.

Twitter Sentiment Analysis: Conducted sentiment analysis on Twitter data, providing valuable insights into public opinion and sentiment trends.

Mall Customer Segmentation: Implemented customer segmentation techniques for malls, enabling targeted marketing strategies and improving overall customer satisfaction.

Movie Recommender System: Engineered a personalized movie recommender system, integrating collaborative filtering and recommendation algorithms to enhance user experience.

Bank Note Authentication: Developed a robust system for authenticating bank notes, utilizing machine learning algorithms to ensure the integrity of currency transactions.