PRASANNA NARAYANA KONE

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SUMMARY

Highly motivated data analytics student with comprehensive experience in machine learning, predictive modelling, data visualisation, and business finance. Dedicated to excelling in the field of data science by leveraging statistical skills to derive valuable business insights. Experienced business analyst with a passion for transforming data into actionable intelligence.

SKILLS

Programming: Python (NumPy, Pandas, Matplotlib, Plotly) | SQL | MATLAB

Machine Learning: TensorFlow, Keras, Pycaret, Scikit-Learn, OpenCV, YOLO

Other: Statistics | Probability | PySpark | MongoDB | Hadoop | kafka| Tableau | BI |GIT | HTML | CSS |

PROJECTS

Forecasting Macroeconomic Indicators using Time Series Models

- Developed and implemented various time series forecasting models to predict key macroeconomic indicators such as Real Gross National Product (RGNP) and Personal Gross National Product (PGNP).
- Built and compared different time series models (AR, MA, ARMA, ARIMA, VAR, VARMA) to identify the most accurate forecasting method for the dataset.
- Evaluated model performance using statistical metrics such as AIC, BIC, and RMSE to ensure robust and reliable forecasts. The best model has ARIMA(1,2,2): AIC= 927.540

Neural Network for Image Identification

- Developed a neural network model for binary classification on a dataset comprising dog and wolf images. Preprocessed images by converting to grayscale, normalising, and reshaping.
- Built and optimised a deep neural network architecture. Achieved performance accuracy evaluation of the model.

Bank Insurance Claim Prediction

- Created data models with hierarchical clustering and K-means clustering to identify customer segments for promotional offers based on the credit card usage data. Also built Classification and Regression Trees, Random Forest, Artificial Neural Network models to help the management of an insurance firm in managing higher claim frequencies.

Optimising Customer Experience In Online Book Retail

- This project introduces a strategic SQL database solution for an e-commerce platform offering a range of books. With a focus on enhancing customer experience, the design efficiently manages customer registrations, multiple book categories, and flexible purchase scenarios.
- By addressing challenges such as duplicate names and varying purchase dates, the system streamlines operations and supports seamless book deliveries.

EDUCATION

Master's in Data science **Jun 2022 – Present**

SRM Institute of Science and Technology , Chennai

Bachelor's in Mechanical Engineering **Aug 2012 – Apr 2016**

(with specialisation in mechatronics)

Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai

CERTIFICATIONS

- Undergone a 4 weeks Coursera course Front-End Web UI Frameworks and Tools: Bootstrap 4 by University of Hong Kong university of science and technology
- Undergone a 3 months Coursera course Self-Driving Cars by University of Toronto