|  |  |  |  |
| --- | --- | --- | --- |
| **PROJECTS** | | | |
| **Self Projects** | **Employee Turnover Analysis** | | Self project | [Jan’22] |
| * Explored dataset with **feature engineering** of 10 features for detailed insights of employee turnover * Trained **Logistic Regression**, **Random Forest** models and analyzed performance using **Confusion Matrix** and **ROC Curve** | | |
| **Bank personal loan acceptance prediction supervised machine learning |**Self Project[July’22]   * Performed EDA, Distribution analysis and visualized the correlation of **5000 customers** having 14 features. * Trained **LR, KNN and Naïve Bayes classification** models to predict personal loan acceptance rate. * Implemented a variety of classification matrices such as confusion **matrix, F1 score, recall, accuracy & ROC AUC score** | | |
| **Petrol Price Forecasting |**Self project[Mar’22]   * Preprocessed & visualized the data and build LSTM & ARIMA forecasting models to predict the petrol price. | | |
| **Sales Insights Data Analysis |** Self Project [Apr’22]   * Acquired sales insights through data analysis using **SQL** & created **Power BI** dashboard for Visualization. | | |
|  | **NLP : Amazon Sentiment Analysis |** Self Project [ June’22 ]   * Pre-processed data by **bag of words** and **TF-IDF** techniques and set up **pivot tables** for better conclusions * Improved accuracy to **98.49%** using **GridSearchCV** on a logistic regression mode | | |
|  | **Bank Customer Churn Prediction Using Deep Learning | Self Project** [Aug’22**]**   * Performed Data Analysis and Feature Engineering to classify if a customer is going to churn or not. * Build **ANN** based **Sequential model** and achieved accuracy of 85.1% on test data | | |
| **Virtual**  **Experience**  **Programs** | **Data Analytics and Visualization (Data@ANZ) |** Forage [Aug’22]   * Performed **EDA** and visualized the correlation of **100** customer attributes over period of **3 months** * Achieved **RMSE** of **19443** while speculating annual salaries by trained **Random Forest Regressor** model | | |
|  | | | |