**POTHUREDDY N SAIRAM SRINIVASA CHAKRAVARTHI**

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Highly motivated and detail-oriented Data Science Fresher with a strong foundation in **SQL**, **Python**, **Machine Learning** and **data visualization** tools. Seeking an entry-level position where can use my skills to analyze data, identify trends, and generate insights and predict models that drive business success.

**EDUCATION**

BVC Engineering College, Rajahmundry2018 -2022

B.Tech, [Electrical and Electronics Engineering],

6.55/10 CGPA

**SKILLS & OTHERS**

* Data Science, Machine Learning, Data Analysis
* Python, NumPy, Pandas, Matplotlib, Seaborn
* Data Preprocessing, Data Wrangling, EDA
* Skit learn, NLTK
* MY SQL, Power BI, Data Visualization
* Microsoft Azure fundamentals
* Database Management
* NLP, Text Mining
* HTML & CSS
* Git, Git Hub
* Spider, Jupiter, Google Collab
* Streamlit, Flask
* C#

**Soft Skills**

* Communication skills
* Problem solving skills

**PROFESSIONAL EXPERIENCE**

**Internships:**

**Turingminds.AI**, Hyderabad 2022May – 2023March

Data Scientist Intern

* Assisted senior Data scientists in Cleaning and Processing and building models on Datasets.
* Collaborated with the team to analyze data to find Insights.
* Gained experience in Data science and Machine learning Algorithms.

**360DigiTMG**, Hyderabad 2023July – 2023September

Data Analyst Intern

* Assisted Data Analyst how to clean the data and how to discover new insight and patterns from raw data.
* To Learn Clean the data from various Languages and Tools like Python, SQL, and Power BI.

**Projects**

**1. To predicting the “Fraud in auto insurance claims”**

* The data is from Automobile Insurance. It will be Creating a predictive model that predicts if an

insurance claim is fraudulent or not.

* Preprocessed the data which involves removing of null values, dropping of redundant columns, missing value imputation, dummy variable creation and scaling
* Spitted the data into 70% Train and 30% Test data.
* To build a logistic regression model to predict if the insurance claim is fraudulent or not.
* Calculated accuracy, f1\_score, and recall values on train and test datasets by taking confusion matrix as the Evaluation matrix.
* The model given an f1\_score value of 0.92 and 0.89 for training and testing data which respectively indicates a great model.

**2. K-Means CLUSTERING USING Py Spark**

* Employing K-means clustering to identify whether there are 2 or 3 potential hackers

involved in perpetrating the data leakage attack.

* Transforming a Spark Data Frame into a suitable format using the handy Pandas library, and

generating a basic visualization for the data.

* Performed data preprocessing using pipelines in Py-Spark, and developed 2 K-means

clustering models for 2-class and 3-class classifications.

* Evaluated the performance of the K-means clustering models using the silhouette coefficient evaluation

metric, and concluded that there were only 2 hackers involved in the attack.

**3. HR Attrition By using Microsoft Power BI**

* High HR attrition can have a number of negative consequences for a company. So, we decide to analysis

on HR data by using Power BI.

* Power BI can connect to a variety of data sources, including Excel spreadsheets, databases, and cloud-

based services.

* Once you have connected to your data source, you may need to transform and clean the data to ensure

That it is in a format that Power BI can easily understand and analyze. This may involve removing

duplicates, converting data types, and filling in missing values.

* Create measures and calculated columns. And after creating visualization on report pages. We can use these visualizations to explore our data and identify trends and patterns. Finally, we created a Dashboard.

Here are some examples of visualizations that we could create to analyze HR attrition data in Power BI:

Attrition rate by department, No. of Employees by age group, Attrition rate by different gender group, Job satisfaction.

**CERTIFIATIONS & ACHIEVEMENTS**

* Microsoft Power BI Data Analyst Associate Certificate from **Microsoft**
* Python programming Certificate from **Codetantra**
* Post Graduate Program on Computational Data Science certificate from **INSOFE** and **Case Western Reserve University.**