Abhilash Avadhanula
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Career Objective:

Data Analyst and Machine Learning Professional with a passion for transforming complex data into actionable insights. Seeking a challenging role to apply expertise in Python, R, SQL, and Teradata. Committed to driving strategic decision-making and delivering tangible business outcomes through advanced machine learning algorithms. Continuous learner staying ahead of industry advancements. Ready to leverage data analytics and visualization skills to make a meaningful impact.

Technical Skills:

- ***Database:*** *MySQL, Teradata SQL*
- ***Languages:*** *Python, R, C*
- ***Data Visualization:*** *Matplotlib, Seaborn, ggplot, basics of Qliksense*
- ***Data Analytics:*** *Machine Learning, Deep Learning, CNN, OpenCV, Excel*
- ***Framework:*** *Flask*
- ***Operating System:*** *Linux, Windows, Mac*

Managerial Skills:

- *Leadership, motivation, and strategic direction to multifaceted teams*
- *Quick learner of new technologies*
- *Achieving results in high-pressure environments and maintaining team motivation*

Experience:

- *Data Scientist, Marolix Technology Solutions Pvt Ltd, Feb 2017 - Aug 2019*
- *Delivery Associate, Smart Data Enterprises(i), Aug 2019 - Jan 2020*
- *Data Analyst, Data Hub Technologies, Sep 2020 - Jan 2021*
- *Data Scientist, Accenture, Jan 2021 - Jan 2022*
- *Data Scientist, Mahindra Comviva Technologies, Jan 2022 - Present*

Education:

B.Tech in Computer Science Engineering, JNTU Hyderabad (CMR), Telangana, 2012 - 2016

Projects:

Project 1: *Sales Prediction*

Client: Lowe's

Duration: May 2017 - Mar 2018

Technologies: Machine Learning, Python, Matplotlib

Description:

Predicted product-wise sales for the year 2017 in stores across the country. Collected data from 100 stores, 80 products, and 20 cities. Built a regression model using Gradient Descent algorithm to predict sales for 2018. Contributed to increased sales for Lowe's.

Roles and Responsibilities:

- *Data collection from various stores*
- *Data preprocessing*
- *Regression model development*
- *Data visualization using Matplotlib and Seaborn*
- *Model evaluation*
- *Project submission*

Project 2: *Marketing To Frequent Fliers*

Client: WestJet

Duration: Jun 2018 - Jul 2019

Technologies: Machine Learning, Python, Matplotlib

Description:

Identified passenger clusters with similar characteristics for targeted mileage offers. Conducted data processing, cleaning, hierarchical clustering, and comparison with k-means clustering. Enabled the client to announce offers to different segments.

Roles and Responsibilities:

- *Data processing and cleaning*
- *Hierarchical clustering*
- *Dendrogram plotting and cluster identification*
- *Comparison with k-means clustering*
- *Segmentation for targeted offers*

Project 3: *Heart Disease Diagnosis*

Duration: Ongoing

Technologies: Machine Learning, Python, Scikit-learn, Matplotlib, Seaborn

Description:

Developed a model to predict heart disease severity levels based on various test results. Trained the model using open-source data and achieved accuracy of 80%-85% using scikit-learn.

Project 4: *Industry revenue growth*

Technologies: Data Analytics, Python, excel, Qlik Sense

Description:

This project mainly deals with Industry revenue growth by implementing Data collection by using crawlers and data preprocessing, lead generation, lead enrichment on top of it doing data analytics (lead scoring, lead prioritization) and visualization getting the insights of the data by using Qlik Sense. By that we can find the relevant customers to the client and improve their revenue.

Project 5: *Ooredoo Telecom Analytics, (Indosat), (VNPT)*

Senior Data Scientist

Technologies: *Data Analytics, Python, Machine Learning, pandas, Numpy, SKlearn, Matplotlib, Teradata SQL, Qlik Sense*

Description:

The Project mainly deals with Telecom industry, Agenda is to improve the revenue by build an end-to-end solution based on the requirements and the pain points of the clients like examples Retaining the customers (Churn Prediction), Recharge Likelihood Model, Mobile Number Portability Model, Next Best Offer Model and statistical model like UCG-UTG Base to create UCG and UTG groups for accurate revenue tracking. By this the increase in revenue is estimated to be above 15% for all the models Developed and Deployed.

Roles and Responsibilities:

- *Built an end-to-end solution.*
- *Worked with stakeholders to understand data science requirements.*
- *Developing new Machine learning Models using AI/ML in telecom Analytics and Retraining Models for improving model performance.*
- *Deployed the Predictive models in production and monitor and maintain the accuracys.*
- *Doing Operational Improvements like Automated all reporting queries that are used to check if models were executed on time, Automated queries that are used to update and fetch previous days/weeks/months model performance metrics, Automation was achieved using Python scripts and Cron Job scheduling.*
- *Dashboards were created using Qlik Sense to monitor all the models present in the production.*
- *Dashboards were directly used by the customer to review model performance using Accuracy, Precision, Recall, and other important metrics.*

Declaration:

I affirm that the information shared in this resume is accurate and complete. I am prepared to utilize my skills and expertise to make a meaningful impact. Let's collaborate to achieve remarkable results together.