Vunyala Sai Vikas

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Profile

Logical and analytical thinker, equipped with 2 years of experience as a Process Associate in an insurance industry. Transitioning into a Data Science career, utilizing analytical skills and programming expertise to develop innovative data-driven solutions.

Certificate

Data Scientist - UpGrad
Python(Basic)- HackerRank - SQL(Intermediate)- HackerRank
IT Help Desk- Customer Service: Problem-Solving and Troubleshooting

Technical Skills

Programming Languages: Python, SQL, No SQL etc.
Data Analysis Tools: Tableau, Excel, etc.
Machine Learning Tools: Scikit-Learn, Supervised, Reinforcement etc.
Technical Support Skills: Troubleshooting software issues, managing IT Help Desk operations, providing end-user support, and resolving technical problems effectively.

Education

Osmania University, Hyderabad
Bachelor of Commerce (2018 -2021)
GPA: 7.27

Professional Experience

System Manager
Municipal Department of Telangana (2021 June - 2022 January)

- Managed mail correspondence and monthly reports for the Municipal Department (CDMA) of Telangana.
- Issued trade licenses to shopkeepers and handled annual renewals efficiently.
- Streamlined communication processes and improved efficiency in document management.

Process Associate
First American, Hyderabad (2022 March – 2024 April)

- Monitored production workflows and performed detailed quality checks to maintain high standards, minimizing discrepancies, and ensuring compliance with organizational protocols.
- Collaborated with cross-functional teams to identify process inefficiencies and implement data-driven improvements, resulting in a measurable increase in productivity and process accuracy.
- Developed and maintained documentation for production processes, enabling standardized procedures and faster onboarding of new team members.
- Utilized analytical skills to troubleshoot material and machine defects, providing timely resolutions to maintain continuous operations.
- Conducted root cause analysis on recurring issues, identifying key areas for improvement, and implementing corrective actions that reduced error rates by a notable margin.

Projects

Amazon Recommendation Engine (python)
I developed an electronics product recommendation system using popularity-based and collaborative filtering (KNNWithMeans) techniques, enhanced by Singular Value Decomposition (SVD) for model-based filtering. Data preprocessing included handling missing values and removing duplicates. The model's performance was evaluated using RMSE, and I visualized the data with Seaborn and Matplotlib, enabling real-time recommendations.

Air Quality Forecasting using ML (Supervised learning)
I developed an air quality forecasting solution using historical data, focusing on key metrics and environmental factors. After cleaning the data and engineering features, I utilized FB Prophet to forecast future trends, ensuring improved model performance.

SQL_NFT_Project
Conducted an SQL-based analysis of digital asset sales data to explore trends, transaction summaries, buyer behaviors, and profitability insights. This analysis provided a detailed understanding of sales patterns and buyer interactions, providing valuable insights into profitability.

Tableau_Healthcare_project
Developed a Tableau workbook with two dashboards showcasing diabetic/non-diabetic distribution, blood pressure categories, and BMI histograms. The "Healthcare Summary Report" story emphasizes insights from these dashboards. Utilized Tableau's features to effectively visualize healthcare data.

Ticket_Management_System
Developed a Ticket Management System:

Project that allows users to log, track, resolve, and analyze tickets through an interactive command-line interface.

- Launch the Script: Run the Python script to open the CLI and display the menu.
- Select an Option: Choose an action (log, view, resolve, analyze) by entering the corresponding number.
- Provide Input: Enter required details (e.g., Case ID, timestamps) when prompted.
- Exit the System: Select the exit option to close the CLI.