SIDDIQ BIN SALAM

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Professional Summary

Motivated and results-driven RAN Performance Analyst with over 10 years of experience. Skilled in working under pressure and adapting to new situations and challenges to meet Company goals . Professional Data Analyst committed to improving data quality and usage through focused exploration. Completes tasks quickly with meticulous attention to detail, maintaining integrity. Strives to increase insight across reporting and delivery using varied extraction and analysis tools.

Skills

- Data and Statics with Python.
- Advance Python Knowledge.
- Automation through SQL/Python. (Pandas, Numpy)
- Data Visualization in Power BI.
- Data Visualization through Python Libraries (Matplotlib, Seaborn, Plotly , ggplot)
- Data Cleansing through DAX/SQL/Python/Excel.
- Azure DP 900 Trained.

Education

MS in Computer and Communications Systems, Staffordshire University 2012 , Staffordshire , UK.

Communication engineering, JNTU University 2009, Hyderabad, India.

Experience

Sr Performance Analyst

May 2017 to Current

STC HQ -Riyadh, Saudi Arabia

- Create visually compelling and informative data visualizations, charts, and graphs to effectively communicate data insights and trends.
- Design and develop interactive dashboards and reports that allow users to explore and interact with data.
- Collaborate with different departments to comprehend appropriate requirements.
- Apply data visualization best practices and design principles to ensure clarity, accuracy, and usability of visualizations.
- Transform complex data sets into visually appealing and easy-to-understand visual representations.
- Use data visualization tools and software, such as, Power BI, or Python libraries (Matplotlib, Seaborn, Plotly), to create visualizations.
- Conduct data analysis and exploration to identify patterns, trends, and insights that can be effectively communicated through visualizations.
- Collaborate with cross-functional teams to integrate data visualizations into reports, presentations, and business applications.
- Present and communicate data visualizations and insights to both technical and non-technical stakeholders.
- Data storage, collection, and data cleaning in SQL/Python/DAX.
- Automation of reporting using Python / SQL server and Microsoft office.
- Produced detailed and relevant reports for analyzing daily, Weekly, and monthly trends of main KPI of network using Power BI, advanced excel functions.
- Maintaining SQL DB and connecting Python to SQL to import and export data.
- Responsible for sending Daily/Weekly/Monthly/Evaluation and major Event Reports to relevant stake holders.

- Responsible for designing dashboards for higher management displaying main KPIs and insights for major events to ensure network is stable using Power BI and Python.

Performance and Reporting Engineer

Oct 2014 to Apr 2017

Zain Riyadh, Saudi Arabia

- New Site Initial Optimization and Acceptance: Perform initial optimization of newly deployed sites to ensure smooth network integration. Generate visual reports showcasing the optimization results and complete initial acceptance. Conduct data analysis to identify areas of improvement and optimize site performance.
- Cell Planning and Optimization: Plan and optimize major Key Performance Indicators (KPIs) of cells to enhance network performance. Monitor KPIs and analyze data to identify underperforming cells and take corrective actions. Implement new features and parameters to optimize network performance. Conduct data analysis to identify trends, patterns, and insights for continuous improvement.
- Antenna Configuration and Optimization: Determine the best possible configuration for antenna height, tilts, and azimuths for all cells/sectors in the network. Optimize antenna parameters to achieve better coverage and throughput. Utilize data analysis to evaluate the impact of antenna configurations on network performance.
- Coordinating with Integration Team: Collaborate with the integration team to ensure newly integrated sites meet agreed contractual KPIs and parameters. Provide technical expertise and support in resolving integration-related issues. Conduct data analysis to evaluate the performance of integrated sites and suggest improvements.
- Drive Plot and Log File Analysis: Analyze drive plots and log files of different sites to identify network issues and areas for improvement. Collect, clean, and preprocess large volumes of structured and unstructured data from log files sources. Use data analysis techniques to diagnose and troubleshoot network problems. Plan and execute parameter changes based on log file analysis and conduct re-drives if necessary.
- Team Management and Training: Manage a team of '8' DT field engineers, overseeing their performance and activities. Provide training and guidance to ensure accurate and enhanced DT (Drive Test) reports. Foster a culture of continuous learning and development within the team.
- Coordination and Planning: Utilize coordination and planning skills to achieve results according to schedule. Collaborate with cross-functional teams, such as network operations and engineering, to ensure effective communication and coordination.
- Data Analysis: Perform data analysis on network performance data, drive test results, log files, and other relevant data sources. Extract actionable insights, trends, and patterns from the data to support decision-making and optimization efforts.

RF Drive Test Engineer

Sep 2013 to Apr 2014

STC/Mobicom -Riyadh, Saudi Arabia

- Cluster optimization/Initial Tuning of LTE STC, Central/Northern Region (Riyadh/Tabuk District)
- Recommendation for Improvement of UE KPIs like SINR, coverage, and throughput by comparing them with the corresponding CQI and MCS allocation.
- Parameter Audit and recommended corrective actions for the discrepancy, if any.
- Analyzing these log files includes the recommendations like tilt changes, azimuth changes, parametric changes.
- Meeting the KPIs proposed with the customer, adjusting ANR parameters to improve its functionality according to the network characteristics.
- Analyzing the UE in the free mode (LTE, UMTS & GSM) and check whether the UE is in LTE mode in the good LTE coverage. If in good LTE coverage, it’s moving in different technologies (UMTS or GSM), then analyze those issues and give the appropriate recommendations to the customer.
- Responsible for the LTE to LTE and LTE to UMTS neighbors audit and check whether the smooth handovers are performing? If not, then check the inconsistency in the neighbors and come up with the proper solutions.
- LTE Protocols and signaling analysis.
- Drive test log files analysis and reporting for 2G/3G/LTE sites.
- Analysis and reporting for cluster acceptance, single-site acceptance.