Agnes Arul Trinita S

Data analyst

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SUMMARY

Experienced Data Analyst with a proven track record of one year, proficient in harnessing **Python**, **Excel**, **SQL**, and **PowerBI** to extract valuable insights from intricate datasets. Dedicated to translating data into actionable recommendations to drive informed business decisions.

KEY SKILLS

• Python • SQL • Microsoft Power BI • Dashboard Development • Microsoft Excel • Data Visualisation • Data analysis • Data Manipulation • Statistical Analysis • ETL • Machine Learning • Analytical skill • Stakeholder Collaboration

PROFESSIONAL EXPERIENCE

Data analyst   Jul '22 - Aug '23

I-PAC   Hyderabad

- Utilized **Python** for quality assurance by automating hourly data collection and processing. This initiative resulted in a significant **80% reduction** in manual workload while ensuring real-time accuracy and up-to-date reports.
- Led the extraction and analysis of large datasets from multiple databases using **SQL** queries, encompassing over **11 lakh records**, resulting in a remarkable **90% improvement** in overall campaign performance by successfully identifying active users.
- Synthesized both quantitative and qualitative findings into actionable insights and communicated them effectively to diverse stakeholders. Additionally, designed **Streamlit's** user-friendly interface to create dynamic visualizations, enabling stakeholders to explore voter demographics, trends, and campaign strategies.
- Created dashboards for **data visualization** and analysis of user journeys in the mobile apps, encompassing the **2,300 monthly users**, to effectively track and interpret usage trends.
- Automated web data collection using **Selenium** and **Beautiful Soup**, improving data quality, accuracy, and voter engagement.
- Developed custom heatmaps using **QGIS** and **PowerBI** visualizing vote share distribution, parties' electoral performance, and MLA achievements across regions.

EDUCATION

Master of science in Data science   Jul '20 - Oct '22

Loyola College   Chennai

- Scored 8.4 CGPA

Bachelor of Computer Application   Oct '17 - Jul '20

Loyola College   Chennai

- Scored 7.8 CGPA

PROJECTS

Voter Segmentation and Targeted Campaign Analysis   Apr '22 - Jul '22

- Utilized **Python** for data analysis to segment voter behaviour and demographics, improving the campaign strategies.
- Conducted **statistical analysis** to measure the effectiveness of political campaigns, resulting in a **20% increase** in voter engagement.
- Automated reports using **Excel** providing stakeholders with real-time insights and leading to faster and more informed political decision-making.
- Collaborated with cross-functional political teams to ensure policy goals, resulting in a 25% improvement in cross-team collaboration.

Brain Tumor detection using Deep learning   Jul '21 - Mar '22

- Developed a predictive analytics using deep learning model utilizing **CNN** architectures to accurately detect brain tumors in MRI images.
- Preprocessed the images by resizing, normalizing, and augmenting the data to enhance model robustness.
- Applied feature engineering techniques to enhance model performance, **accuracy**, **precision**, **recall**, and **F1-score** on an independent test dataset.
- Achieved the highest **accuracy of 75%** using the CNN architecture, showcasing its superior performance for this task.

Certification

Google Data Analysis Professional Certificate | Coursera