KETAN KULKARNI

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Objective

Results-driven Data Analyst with expertise in Python, SQL, and Power BI. Seeking to leverage analytical and visualization skills to deliver actionable insights and support data-driven decision-making for organizations.

Professional Experience

Application Development Associate
Accenture, India | 12/2020 – 12/2021

- Analysed the client requirements and **designed** robust data migration solutions for **Customer, Contracts** and **Pricing** objects, ensuring accurate and efficient processing.
- Developed and maintained automated workflows using **Python** and **SQL**, significantly improving data processing and reducing errors.
- Conducted exploratory data analysis **(EDA)** using **SQL** to identify key trends and patterns, including customer behaviour and retention metrics.
- Cleaned, organized, and validated large datasets from multiple sources in **Microsoft Excel**, ensuring data integrity and accuracy.
- Designed and delivered interactive **Power BI dashboards** tailored to business needs, enabling stakeholders to visualize performance metrics and make data-driven decisions.
- Authored comprehensive documentation, including **project workflows**, **technical specifications**, and **data processes**, to foster seamless cross-team collaboration and knowledge sharing.
- Collaborated with clients to translate business needs into actionable insights, including creating **manual reports** when required.
- Coordinated mock and production cycles, **troubleshooting** issues and ensuring smooth execution during critical project phases.

Skills

- **Data Visualization:** Microsoft Power BI, Matplotlib, Seaborn
- **Database Management:** SQL
- **Programming:** PYTHON (Pandas, NumPy, Sciket-learn), Apache Spark, C language
- **ETL & Data Warehousing:** Data Extraction, Transformation, and Loading (ETL), Data Warehousing concepts and Snowflake
- **Machine Learning & AI:** Classification & Regression Models, Neural Networks, Statistical Language Modeling
- **Natural Language Processing:** Text Classification, Sequence Labeling, Large Language Models (LLMs)
- **Data Analysis Tools:** Microsoft Excel
- **Cloud Computing:** AWS

Education

Master of Science in Data Analytics
The University of Sheffield, Sheffield, UK | 09/2023 – 10/2024

B.Tech in Electronics Engineering
Yeshwantrao Chavan College of Engineering, Nagpur, India | 07/2017 – 09/2020

Projects

Bird Population and Climate Analysis Dashboard

- Developed an interactive Power BI dashboard combining a decade's worth of bird data from eBird and weather data for Pune, India.
- Visualized species distribution, migration patterns, and climate change impacts on local bird ecology using interactive charts and maps.
- Designed the dashboard to be accessible online and at bird hotspots, aiding naturalists, birdwatchers, and local government bodies in bird monitoring efforts.
- Enabled stakeholders to make data-driven decisions, increasing awareness of avian biodiversity and promoting conservation efforts.

UCI Human Activity Recognition Clustering

- Performed K-means clustering on a dataset with 561 features and used PCA for dimensionality reduction to visualize clusters.
- Evaluated clustering quality with internal metrics and analysed sensor dynamics to interpret results effectively.

Blood-MNIST Classification

- Developed classification models for health-related images using logistic regression and neural networks.
- Optimized hyper-parameters to improve accuracy and compared model performance using loss and accuracy plots.

Certifications

- **Microsoft Power BI by Chris Dutton** – Udemy Learning
- **Microsoft Excel by Kyle Pew** – Udemy Learning
- **SQL (MySQL) by 365 Careers -** Udemy Learning
- **AWS Certified Cloud Practitioner by Stephen Mareek** - Udemy Learning (Currently persuing)

Extra-Curricular Activities & Achievements

- Professional Wildlife and Bird Photographer
- Participated in Bird Census for the Government of India