Bhavana Pansare

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CAREER OBJECTIVE:

Motivated Data Analyst with expertise in SQL, Python, Power BI, and Tableau. Proven track record in delivering actionable insights, optimizing data processes, and creating impactful dashboards. Experienced in data management, telemetry systems, and collaborating with cross-functional teams. Adept at managing large datasets, ensuring data quality and accuracy, and communicating complex insights clearly. Passionate about leveraging data to drive informed decisions and support operational and commercial teams.

SKILLS:

- **Programming:** Python (Pandas, NumPy, Matplotlib), R (ggplot2, Dplyr, Caret, Tidyverse), Java.
- **Data Visualization & Tools:** Power BI, Tableau, MS Office Suite, Excel, Access.
- **Data Analysis:** AIS, Trade, Traffic volume Analysis, Asset Performance Evaluation, Property Investment Energy data, Telemetry data.
- **Machine Learning & Big Data:** PyTorch, Deep Learning, Hadoop, PySpark, Sqoop.
- **Database Management:** SQL (MySQL, PandaSql, PostgreSQL), Data Warehousing (Snowflake, BigQuery).
- **Cloud Platforms:** AWS, Azure, Azure Synapse, Databricks.
- **Data Formats:** JSON, XML, CSV, Flat file formats.
- **Technical Analysis:** Requirements gathering, Solution design, Testing, Implementation.
- **Soft Skills:** Analytical Thinking, Problem-Solving, Communication, Collaboration, Critical Thinking.

EDUCATION:

- **Queen's University Belfast** — **Sep 2023 – Sep 2024**
  Master's of Data Analytics — Belfast, United Kingdom
  Core Modules:

Data Mining: 87	Frontiers in Analytics: 88
Machine Learning: 81	Analytics in Action: 79
Data Analytics Fundamentals: 71	Database & Programming Fundamentals: 85

- **Mumbai University** — **Aug 2017 – Jun 2021**
  Bachelor's of Engineering - Information Technology (B.E.) — Mumbai, India
  CGPA: 9.22/10.00
  Core Modules: Computer Organization & Architecture, Operating Systems, Statistics, Computer Networks, Big Data, Machine Learning, Database Management System, Data Mining, Business Analytics, Python Programming.

EXPERIENCE:

Incisiv Ltd, Data Analyst Intern — **Jun 2024 – Present**

- **Dashboard Design:** Designed Power BI dashboards, boosting visualization clarity and usability by 40%, directly contributing to more informed business decisions.
- **Boosted Data Processing:** Created and optimized SQL stored procedures and automated data refresh using Python, reducing data processing time by 50%.
- **Advanced Data Analysis:** Conducted ad hoc analyses, including product performance, customer segmentation, and LTV modelling, to support strategic initiatives.
- **Data Integrity Maintenance:** Ensured data accuracy and reliability through rigorous validation processes, maintaining high standards of data integrity.
- **Cross-functional Collaboration:** Coordinated closely with teams to ensure data models aligned with business needs and provided actionable insights.
- **Bug Fixing and Troubleshooting:** Identified and resolved issues across the data pipeline.

Bridgenext, Software Developer — **Jun 2021 – Aug 2023**

- **Requirement Gathering and Data Exploration:** Led efforts to gather requirements and explored data for strategic decision-making, increased data quality by 25%.
- **Query Optimization:** Increased data retrieval speed by 40% through SQL query optimization.
- **Dashboard Creation:** Developed real-time monitoring dashboards, reduced issue resolution time by 50%.
- **Application Performance Enhancement:** Improved backend application performance by 20% through targeted enhancements.

PROJECTS:

Electricity Market Data Analytics, Energia Group   **Mar 2024 – Apr 2024**

- **Analysed Renewable Energy Data:** Spearheaded the analysis of Energia's comprehensive dataset on renewable energy sources across the All-Island grid.
- **Implemented Advanced Clustering:** Used cosine similarity and KMeans clustering to distinguish market days, enhancing trading strategy efficiency.
- **Improved Trading Decision Accuracy:** Revamped trading decision accuracy by identifying key trends in wind energy and demand metrics.

Satellite Data-Driven Greenspace Classification, Deloitte   **Apr 2024 – May 2024**

- **Description:** Led a machine learning project to identify greenspaces in Belfast using Sentinel-2 L2A imagery.
- **Applied Advanced Techniques:** Employed scene masking, data segmentation, and evaluated deep learning architectures including DeepLabV3 and U-Net.
- **Achieved High Classification Accuracy:** Achieved 99.82% classification accuracy with U-Net Plus, providing highly accurate greenspace mapping.

Hurricane Ian Economic Impact Analysis, KDC Insurance Company   **May 2024 – Jun 2024**

- **Assessed Economic Impact:** Analysed the economic impact of Hurricane Ian on insured assets.
- **Managed Data Integration:** Used advanced preprocessing techniques and visualization tools for data refinement.
- **Quantified Financial Risks:** Quantified financial risks, particularly in top five affected ZIP codes, aiding in proactive management decisions.

TRAINING & CERTIFICATIONS:

- Core and Advanced Python from TechnoJack Infosolutions.
- Internship in Data Analytics and Visualization by Accenture.
- Virtual Internship in Data Analytics by KPMG.
- Data Visualization with DAX in Power BI.
- Core and Advanced Java from Mikado Solutions.
- Full Stack Big Data Cloud Course from Zeyobron.
- Text and Sentiment Analysis in R and Python.
- Building Web Applications with Shiny in R.

INTERESTS AND ACHIEVEMENTS:

- Received an **Excellence Award** at Bridgenext for valuable contributions.
- **Achieved first Rank and academic topper during the Bachelor of Engineering program**.
- **Organized** a **soft skills and personality development program** sponsored by the **All-India Council for Technical Education (AICTE).**
- Held the position of **President of College** during the Bachelor of Engineering program.
- **Core committee member for a national-level technological festival** organized by the Department of Information Technology and **Finalist at Smart India Hackathon.**
- Secured the **first rank** in the game of **Kho-Kho** at the Cultural Festival of MGM, Navi Mumbai.
- Served as a **student academic head** for two consecutive years.
- **Volunteered** at 'All Saints Home', an **Old Age Home** at Dockyard, Mumbai.

REFEREES:

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