AKSHAY DESHMUKH (ASH)

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Results-driven Business and Data Analyst with expertise in Python, SQL, Power BI, and Excel for data analysis, visualization, and reporting. Experienced in housing, financial, and operational datasets, delivering actionable insights, automated dashboards, and KPI tracking to support data-driven decision-making. Skilled in requirement gathering, process optimization, and cross-functional collaboration, improving reporting accuracy and operational efficiency. Holds strong academic foundation and is passionate about leveraging predictive analytics, business intelligence, and statistical modeling to drive strategic initiatives and organizational growth.

CERTIFICATIONS and SKILLS

Python for Data Science | Power BI | Six Sigma- Green Belt | SQL | Data Visualisation
Project Management Foundations | AWS | Excel | Organisational | Collaboration | Problem-Solving

WORK EXPERIENCE

Business and Data Analyst –Stoke-on-Trent City Council, **Stoke-on-Trent, UK** *January2025 – Present*

- **Cross-Functional Analysis & Requirement Gathering:** Collaborated with multiple departments to collect, validate, and document reporting and business requirements on housing data projects. Identified gaps and implemented solutions using SWOT analysis enhancing reporting accuracy and process efficiency by 15–20%.
- **Data Analysis & Financial Insights:** Performed financial data analysis on housing cost datasets using Excel (PivotTables, VLOOKUP, Power Query) and SQL. Developed automated dashboards and visualizations with Power BI, enabling KPI tracking, predictive insights, and data-driven decision-making while saving almost 30,000.
- **Process Optimization & Task Management:** Prioritized and executed high-impact projects and ad hoc tasks, streamlining workflows and operational processes. Implemented improvements that increased efficiency, reduced errors, and supported forecasting and strategic planning initiatives.
- **Continuous Learning & Technical Expertise:** Maintained proficiency in SQL, Power BI, predictive analytics, data modelling, and business intelligence techniques, applying best practices to drive insights, optimize reporting, and support organizational growth.

Supervisor – Today's Extra Premier store, Leeds   *January 2024 – December 2024*

- **Operational Improvement and Analysis**: Proactively addressed operational challenges by analyzing stock-checking processes and identifying inefficiencies. Implemented improvements that reduced discrepancies by 20%.
- **Task Planning and Prioritization:** Planned and prioritized tasks such as shift scheduling, inventory management, and promotional displays. This ensured optimal resource allocation, maintained high service availability, and demonstrated my capacity to manage my workload effectively.
- **Collaboration and Relationship Building**: Fostered a collaborative team environment, actively promoting teamwork and motivation. Developed strong internal and external networks, including suppliers, to enhance team performance and customer satisfaction.
- **Communication of Insights:** Communicated performance metrics and customer feedback to management and team members, ensuring alignment with store goals.

Data Analyst – Shreyas Technosoft, Pune   *June 2023 - September 2023*

- **Dashboard Development and Reporting:** Developed and maintained interactive dashboards using Power BI, Excel, and Tableau, reducing report creation time by 30%. This aligns with the experience of producing reports and presenting findings to key stakeholders.
- **Data Processing and Analysis:** Utilized Python to implement machine learning models, resulting in improved model accuracy and enhanced data-driven decision-making, demonstrating my understanding of requirements elicitation techniques.

- **Stakeholder Engagement**: Led customer-facing presentations that clearly conveyed data insights and strategies, improving stakeholder engagement. This reflects my ability to facilitate workshops and structured meetings to define requirements.
- **SQL Data Processing:** Performed data processing using SQL queries to retrieve and analyze data, aligning with the skills needed for analyzing information from various sources.

Data Analyst Intern – [Shreyas Technosoft](#), Pune   *September 2021 - June 2023*

- **User-Friendly Dashboard Design:** Designed and developed user-friendly dashboards that improved data retrieval efficiency by 60%, enabling teams to focus on higher-value activities. This experience supports my understanding of user-centered design principles in business analysis.
- **Customization and Reporting Automation**: Created multiple dashboard options in Power BI and Excel, allowing teams to customize data views according to their needs. Consistently sought to automate repetitive processes, reducing workload and improving productivity—illustrating my flexibility and proactive approach.
- **Training and Skill Development:** Participated in training sessions to enhance skills in data visualization and analysis, achieving a 25% improvement in dashboard quality. This shows my commitment to personal development and collaboration in a team setting.
- **Participated in a health data analysis project** focusing on social determinants of health, utilizing Python and R for data processing and visualization, which contributed to a 15% improvement in data-driven decision-making.

EDUCATION

MSc Data Science and Analytics, University of Leeds, Leeds, UK *September 2023 – September 2024*
- Modules: Programming, Time Series, Regression, Deep Learning,
Machine Learning, Business Analytics, Python, **Merit.**

MSc Statistics, Pune University, Pune, India   *August 2021 – May 2023*
- Modules: Probability Theory, Bayesian Inference, Calculus, Linear Algebra, Multivariate Regression Analysis, R, SAS, **CGPA – 9.0, 2:1 Degree.**

EXTRACURRICULAR ACTIVITIES

- [**British Airways Data Science Job Simulation on Forage.**](#)
- o Completed a data simulation involving machine learning model development for a predictive system used in aviation operations.
- [**Tata Data Visualisation: Effective Insights Job Simulation on Forage.**](#)
- o Participated in Tata Data Visualisation Simulation, creating impactful data visuals for executive decision-making.

ACADEMIC PROJECTS

- **Dealing with multiple missing values (Masters) –** Analyzed mobile features dataset, implementing various imputation methods to maintain data integrity.
- **Income Prediction (Guided) –** Implemented machine learning models to predict income, leveraging advanced analytical techniques and GitHub for streamlined project management.
- **Work-Life Balance (Post-Graduation) –** Conducted peer-reviewed primary data acquisition and statistical analysis on government and private sector employees, deriving actionable insights.