BINDIYA MANOHAR SAVANUR

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Summary

Detail-oriented Data Analyst with a proven track record in delivering actionable insights to enhance operational processes and drive continuous improvement. Proficient in SQL, Python, and advanced data transformation, with hands-on experience in data visualization tools such as Tableau, Power BI, and AWS Quick sight. Skilled in automating interactive dashboards and developing reproducible, well-documented code to streamline workflows and monitor KPIs effectively. Adept at collaborating with cross-functional teams, ensuring data accuracy, and translating complex data into strategic recommendations. Known for managing multiple priorities in fast-paced environments and contributing to data integrity and decision-making. Passionate about leveraging technical expertise to improve R&D operations and outcomes.

Technical Skills

SQL | Python | Pandas | NumPy | SciPy | Matplotlib | R | HTML | CSS | XML | JavaScript | Tableau | Looker | PowerBI | Alteryx | Snowflake | SAP | Spark | PostgreSQL | JSON | Jira | PLM | Azure DevOps | API Technologies | Sisense | Oracle | ETL | DataBricks | MySQL | CRM | PowerPoint | Microsoft Word | AWS | Cloud | Advanced Microsoft Excel (VLOOKUP, VBA Macros, pivot tables) | Redshift | Microsoft SQL | Logistic Regression | Linear Regression | Supervised and Unsupervised Machine Learning | Sci-kit | QA Automation | Random Forest | ARIMA | TensorFlow | PyTorch | Hypothesis Testing | Descriptive | Predictive & Prescriptive Analytics | Qlik Sense

Projects

SQL Database
- Developed an interactive R Shiny application with a robust SQL back-end to visualize three years of satellite data, leveraging the SciPy library for data analysis.
- Created a Tableau dashboard to plot the number of satellites launched annually and forecast the number of launches for the upcoming year.

Business Forecasting
- Collected, analyzed, and applied naive model to verify the right data and developed ML forecasting model (Decomposition and ARIMA Models) for sales prediction with 95% accuracy, enabling optimized inventory & targeted marketing for COSTCO

Web Analytics
- Created travel planner app using HTML, CSS, JavaScript, and Python for customized itineraries and utilized GitHub for deployment
- Integrated Google Analytics to track app traffic and analyze customer click data and performed A/B testing to increase foot traffic

Experience

ElevateMe   **Oct 2024 - Present**
Data Analytics & Machine Learning Fellow Trainee   Columbus, Ohio
- Completed 150+ hours of hands-on learning and project work, including a live project and two optional capstone projects.
- Gained practical experience applying data analytics and machine learning techniques to solve real-world problems.
- Worked with advanced tools such as Python, Jupyter Notebooks, Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn to build and evaluate ML models.
- Deployed machine learning models on Microsoft Azure, connecting Azure ML to Azure SQL databases for real-time analytics and predictions.
- Developed strong skills in data preprocessing, feature engineering, model selection, and evaluation through extensive use of regression, classification, and clustering algorithms.
- Collaborated in a team environment, simulating a professional setting with tools like Jira, Confluence, and Slack for project management and communication

Askas Tech Solutions   **Sep 2024 - Present**
Data Analyst   **Lewisville, Texas**
- Applied advanced data wrangling techniques to process and analyze large datasets using SQL and Python, increasing data pipeline efficiency by 30% and delivering actionable insights to key stakeholders.
- Spearheaded collaborative efforts with cross-functional teams to streamline communication of complex data findings, enhancing stakeholder engagement by 25% and contributing to data-driven decision-making.
- Optimized reporting processes by building automated SQL queries and Python scripts, reducing manual data extraction time by 40% and improving reporting accuracy by 15%.
- Developed predictive models in collaboration with business units, forecasting customer behavior with 90% accuracy, resulting in a 20% increase in targeted marketing efficiency.

LBJ, North Tarrant Expressway   **Jan 2024 - Apr 2024**
Data Analyst   Dallas, Texas
- Led comprehensive analysis of Microwave Vehicle Detection (MVD) data, utilizing advanced statistical methods and data wrangling with the pandas library to detect and correct anomalies, resulting in a 20% improvement in data accuracy and operational decision-making.
- Implemented the Prophet model, achieving 95% forecasting accuracy over a 90-day period, and developed dynamic Tableau dashboards and strategic roadmaps that provided actionable insights, enhancing executive decision-making by 30%.

Emirates Group   **May 2017 – Aug 2020**
Data Analyst   **Bengaluru, India**
- Designed and implemented a Python-based product recommendation engine, identifying trends to promote alternate offerings in a travel application, resulting in a $261k increase in revenue through improved customer retention and expanding the customer footprint.
- Conducted extensive data exploration using SQL, defining key business requirements and developing technical user stories for Dnata's flagship travel application. Built a machine learning model for forecasting customer behavior, predicting an annual user increase of 50,000.
- Led offshore operations, coordinating sprint planning within an agile framework, and leveraged SQL/Power BI data insights to inform strategic planning with marketing teams and product owners, resulting in a 40% increase in mobile holiday bookings.
- Developed a Tableau reporting dashboard, tracking web traffic metrics to tailor marketing promotions based on customer segmentation, driving a 9% increase in conversion rates.
- Championed customer success initiatives, resolving technical issues, analyzing customer journeys, and mitigating risks through Tableau dashboards, ultimately shaping data-driven business strategies to prevent potential impacts on operations.

Portea Medical   **Apr 2015 – May 2017**
Quality Assurance Analyst   **Bengaluru, India**
- Designed and executed test cases, bridging technical requirements with business, quality analysis, and development teams to incubate a physiotherapy application. Successfully performed A/B testing on key features, resulting in a 29% increase in foot traffic for clients.
- Led the integration of a healthcare app with a third-party client platform, conducting thorough user acceptance testing and resolving issues with database (SQL) and A/B testing. Achieved a 98% issue-free rollout, with only 2% minor issues and no critical bugs.
- Spearheaded the transition from Jira to TestRail, developing comprehensive documentation, a transition plan, and conducting staff training with zero downtime. This prioritization of manual and automation testing led to a 30% improvement in team productivity.
- Hosted daily scrums and managed backlogs using JIRA and Excel, utilizing data-driven insights to support change management initiatives, leading to significant improvements in team productivity and workflow efficiency.

Education
Southern Methodist University, Cox School of Business Dallas, TX   **May 2024**
Master of Science in Business Analytics | GPA: 3.8/4.0

Visvesvaraya Technological University Belagavi, India

Bachelor of Engineering in Computer Science

Certifications

Data Analytics and Machine Learning Certificate of Completion   **Oct 2024-Present**

ElevateMe Bootcamp

150+ hours of hands-on coursework, having completed a Data Analytics project and Machine Learning project using Tableau, Python, Machine Learning and SQL