

Siddhesh Kadam

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

With a master's in engineering management, I served as a Data Analyst at LifeSpheres in San Mateo, CA. In this role, I led the integration of SQL for ETL processes, utilized Python for in-depth data analysis, and employed Tableau and Power BI for advanced data visualization. Collaborating with CEOs, I implemented Health Programs, enhancing business insights. As a Business Finance Consultant at California State University East Bay, I improved financial transparency and governance. In a Research Data Analyst role, I achieved an 80% enhancement in government insights using Python & Excel. As a Business Intelligence Analyst at Godrej & Boyce Mfg. Co. Ltd in Mumbai, India, I implemented VSM and CI, achieving a 95% increase in efficiency. My track record reflects a multidisciplinary approach to Data Analysis, Financial Governance, and Process Optimization, delivering impactful results. Also, feel free to visit my portfolio page to know more about me and my work.

TECHNICAL SKILLS

Programming Languages: Python, R, HTML, CSS, Java, JavaScript

Data Engineering & Cloud: AWS, Azure, Snowflake, Airflow, Kafka, ETL Process, Data Pipelines, Data Warehousing, Data Modeling

Databases: MySQL, SQLite, MongoDB, SQL Server Express, SQL Server Management Studio BI

BI Tools: Tableau, Microsoft Power BI, Microsoft Excel, Alteryx, DAX

Tools and Libraries: NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow, NLTK, Keras, PyTorch, SDLC, JIRA

Machine Learning: Association Rule, Classification, Clustering, Regression, Reinforcement Learning, Transformers, Attention

EDUCATION

Master of Science in Engineering Management (GPA – 3.8/4)

Dec 2023

California State University East Bay, CA

Relevant coursework: Data Analysis of Engineering Problems, Analytical methods in Engineering, Independent Data Research Study, Marketing Analytics.

Bachelor of Engineering in Production Engineering (GPA – 3.7/4)

Jun 2020

University of Mumbai, Mumbai

Relevant coursework: Data Analytics, Project Management, Machine Learning, Data Warehousing.

PROFESSIONAL EXPERIENCE

Data Analyst, LifeSpheres, San Mateo, CA – Professional

Jun 2023 – Oct 2023

- Spearheaded the process of data cleaning, ETL, and SQL database management, ensuring the integrity and reliability of the dataset for subsequent analyses.
- Conducted in-depth data analysis and implemented machine learning models using Python and various libraries (such as pandas, NumPy, scikit-learn) to extract meaningful insights, optimize predictive analytics, and enhance decision-making processes.
- Utilized Tableau and Power BI for data visualization, creating visually compelling reports and dashboards that effectively communicated complex insights to stakeholders and facilitated informed decision-making.
- Led initiatives to establish new databases and enhance existing ones, contributing to the optimization of data management processes. This included implementing strategies to improve data quality, accessibility, and overall efficiency.
- Implemented a holistic approach by seamlessly integrating data cleaning, ETL processes, data analysis, machine learning models, and data visualization tools. This comprehensive strategy resulted in enhanced business insights and informed decision-making across the project lifecycle.

Business Finance Consultant - ASI committee - California State University East Bay, CA – Academic

Jan 2023 – Oct 2023

- Successfully reported the year-end fiscal audit process for the corporation, resulting in a 78% improvement in financial transparency and accuracy, ensuring compliance with regulations and boosting stakeholders' trust in the company's financial performance.
- Developed and recommended policies and procedures for the use of funds across the organization, resulting in a 82% improvement in financial governance and utilization of funds and mitigating financial risks for the organization.

Research Data Analyst, California State University East Bay, CA – Academic**Jan 2023 – Oct 2023**

- Consolidated insights from major car manufacturers: Tesla, Mercedes, Honda, and Toyota for the proposed California government law.
- Systematically collected and extracted data from Microsoft Excel and MySQL, ensuring high accuracy and reliability.
- Implemented Time Series Forecasting and Regression for enriched insights specific to Tesla, Mercedes, Honda, and Toyota, enhancing forecasting capabilities.
- Utilized Python for detailed data analysis and formatting, optimizing the analytical process for visually compelling data representations in tools like Tableau and Microsoft Power BI.
- Achieved an 80% enhancement in the government's existing insights, emphasizing a significant contribution to refining data-driven decision-making processes with a focus on data from Tesla, Mercedes, Honda, and Toyota.

Business Intelligence Analyst - Godrej & Boyce Mfg. Co. Ltd - Mumbai, India – Professional**Jul 2019 – Dec 2019**

- After implementing Value Stream Mapping, the manufacturing and assembly processes saw an increase in efficiency and productivity, resulting in a significant improvement in results by 95% compared to before VSM implementation.
- Possessing in-depth knowledge and experience in Process Planning, Manufacturing Control, and Designing has led to a 95% improvement in departmental efficiency and productivity, resulting in increased output and cost savings for the company.
- Implementation of a well-executed process plan and cycle, resulting in estimated time savings with improved accuracy, has led to an increase in production output by 90% compared to previous cycles.

ROJECTS**California Housing Prices: ML, Data Analysis & Visualization: Python, MySQL, Tableau (Capstone)****Oct 2023**

- Led a comprehensive machine learning capstone project, seamlessly integrating MySQL, Python, and Tableau for ETL, analysis, and visualization. Explored diverse models (Linear Regression, Random Forest, Neural Networks), with Gradient Boosting achieving the lowest RMSE of 49,343.55 on test data, showcasing success in a multidisciplinary approach that emphasizes expertise in Python, databases, and visualization tools.

Green Drive Data Analytics: MS Excel, Python (Graduate Research)**April 2023**

- Led a pivotal Data Analysis project supporting California's 2035 ban on gasoline vehicles, using Machine Learning and Time Series methods. Evaluated impact, compared EV and non-EV costs, and assessed companies' readiness. Tesla and other EVs emerged as frontrunners, driving positive change for a greener California.

London Bus Safety Data Visualization: Tableau.**Mar 2023**

- London Bus Safety project (Jan 2015 - Sep 2018): User-friendly dashboard reveals borough-wise incident trends (notably Westminster, Southwark, Lambeth), with decreasing temporal trend and seasonal variations, offering concise insights.

Netflix Interactive Dashboard: Tableau**Mar 2023**

- Netflix Tableau dashboard: Users explore specific movie details (e.g., "Christmas in the Smokies") and view content distribution by country, genre ratings, and type distribution (68.42% movies). Top 10 genres, a timeline, and predominant rating (TV-MA) provide insights, making it a valuable tool for detailed Netflix content exploration.

Spotify Data Analysis: Python**Mar 2023**

- Conducted a comprehensive analysis of the Spotify dataset, exploring relationships and patterns in audio features, revealing notable correlations such as loudness and energy. Time series analysis provides insights into trends over time, and the integration of a genre dataset opens avenues for future work, including genre-specific trends, user behavior studies, and potential Python-based machine learning models for popularity prediction.

*~ For detailed information on all 10 projects, Please visit my LinkedIn or GitHub profiles ~***CERTIFICATIONS**

AWS Certified Cloud Practitioner	Advanced NoSQL for Data Science
Data Analysis with Python	Advanced Power BI: DAX, Language, Formulas & Calculations
Python for Data Science, AI & Development	R for Data Science: Analysis & Visualization
Data Visualization with Tableau	Programming Relational Databases
Distributed Computing with Apache Spark SQL	Azure Data Studio Essential Training
MySQL & IBM DB2 for Data Science with Python	Excel for Data Analysis
Data Visualization with MS Excel & IBM Cognos	

~ For Verification of all 13 certifications, Please click on the Hyperlinks ~