Shweta Vinod Kulkarni
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PROFESSIONAL SUMMARY

An outcome-focused expert with **5 years** of experience in Data Engineering and Analytics, driven by data. Skilled in crafting, constructing, and fine-tuning data pipelines to enhance the effectiveness of extraction, transformation, and loading (ETL) procedures. Led 2 projects with cross-functional teams. Proven track record leading teams to deliver impactful projects on time and within budget.

EDUCATION

University of South Florida
Master of Science in Business Analytics and Information Systems   Aug 2023 - May 2025 | *GPA – 4/4*
Yeshwantrao Chavan College of Engineering
Bachelor of Engineering, Electronics and Telecommunication Engineering   Aug 2014 - Jun 2018 | *CGPA – 8.7/10*

TECHNICAL SKILLS

Languages:	C#, Python (Pandas, NumPy, Scikit Learn, etc.), R, VBA, SQL, HTML, CSS, Javascript
Databases:	Oracle, MySQL, NoSQL
Tools:	Visual Studio, Visual Studio Code, Jenkins, Jupyter Notebook,RStudio, Pivot Table, GitHub
Data Warehousing:	ETL (Extract, Transform, Load), MS SQL server, Apache Kafka, Confluent Kafka, Informatica PowerCenter
Visualization Tools:	Tableau, MS Power BI, MS Excel, Qlik Sense, Looker Studio
Database Tools:	SQL Developer, SQL server management studio, PgAdmin, DBeaver
Analytics Skills:	EDA, Data Cleaning, Data Visualization, Data modeling, Business Intelligence
Project Management:	Agile, PowerPoint, Scrum, JIRA, Kanban, Confluence, Documentation, SharePoint

WORK EXPERIENCE

Graduate Research Assistant (University of South Florida)   Jan 2024 - Present

● Took the lead in producing detailed reports with Tableau, examining Tampa Bay's economic performance in key aspects like economic outcomes, affordability, and talent pipeline, benchmarked against 20 Metropolitan Statistical Areas (MSAs).

● Worked closely with faculty and colleagues to collect, analyze, and visually convey data, offering insightful perspectives and shaping policy recommendations for advancing the region's economic standing.

Deloitte   Jan 2022 - Jul 2023
Consultant – Data Engineer

● Led the entire Software Development Life Cycle (**SDLC**) for **ETL data pipelines** in Informatica PowerCenter, from gathering requirements to deploying in production. Managed a cross-functional team of four, achieving a **93% success rate** in **transitioning ETL workflows to Kafka** for seamless data integration and processing.

● Employed advanced data modeling techniques and SQL Trace to enhance database **performance by 15%.** Applied **business intelligence** principles ensuring accurate data modeling and mapping for insightful reporting.

● Analyzed rental car market trends using data visualization tools, resulting in strategic recommendations that led to a **15% revenue increase**. This involved extracting, transforming, and analyzing **large datasets** to identify key trends and growth opportunities.

Tata Consultancy Services   Sep 2018 - Jan 2022
System Engineer – Software developer

● Applied **agile methodologies** to data analysis projects, displayed an Entrepreneurial approach by **leading** and **mentoring** a team of three, conducting code reviews, and offering guidance, resulting in a **30% reduction** in project delivery time.

● Engineered a web-based platform, optimizing policy processes and enhancing customer satisfaction with a **40% reduction** in processing time and a **25% increase** in satisfaction.

● Collaborated with cross-functional teams to implement software enhancements using **SQL**, resulting in a **25% increase** in application performance and functionality.

● Initiated and led a data-driven customer segmentation using advanced machine learning, boosting conversion rates by **20%**, driving $500k annual revenue growth through operational enhancements, and conducting business intelligence through industry trends analysis.

● Integrated **Python** scripts into existing workflows, resulting in a **15% increase** in the efficiency and accuracy of data-driven processes.

ACADEMIC PROJECTS

● **Object Detection System:** Crafted an object detection system utilizing Convolutional Neural Networks to accurately identify various objects within images, particularly focusing on fruit categorization. This technology mirrors applications within the food manufacturing and processing sector, where similar models aid in the real-time identification of produce, facilitating automated sorting processes to separate spoiled items from those suitable for further processing.

● **Job Market Insights (Data Analysis):** Explore NYC's employment landscape through a detailed analysis of government job postings. Uncover trends, visualize job distribution and salary insights, and offer recommendations for job seekers and policymakers.

● **Credit Score Segmentation (Data Mining):** Developed an intelligent classification system to automatically categorize individuals into credit score tiers—poor, standard, and good—significantly reducing manual processing efforts.