

Sahil Walia

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EDUCATION

Master of Science in Business Analytics (GPA: 3.78/4.0) <i>W.P. Carey School of Business, Arizona State University</i>	Aug 2024 - May 2025
Bachelor of Technology - Automotive Engineering <i>SRM Institute of Science and Technology, Chennai, TN, India</i>	Jul 2016 - Jun 2020

- **82.12% - First Class with Distinction**

EXPERIENCE

Decision Analytics Associate Consultant - ZS Associates	Jan 2024 - Jun 2024
<ul style="list-style-type: none">Developed comprehensive DEICT reporting framework for a global pharmaceutical giant, enabling sponsors to identify demographic representation gaps and improve diverse patient recruitment strategies by 30%.Envisioned integrated analytics solutions combining census, real-world evidence, and historical trial data, reducing time for clinical trial design by 20% while enhancing site performance predictions.Established automated data pipelines using Python/SQL with quality assurance protocols, achieving 99.9% system reliability and eliminating manual reporting bottlenecks for critical trial milestones.Translated complex analytical findings into executive-ready insights, directly informing \$50M+ budget allocations and geographic expansion decisions across multiple therapeutic areas.	
Decision Analytics Associate - ZS Associates	Jan 2023 - Dec 2023

Decision Analytics Associate - ZS Associates	Jan 2023 - Dec 2023
<ul style="list-style-type: none">Created comprehensive brand scorecards for pharmaceutical clients managing \$100M+ portfolios, enabling real-time competitive positioning analysis that improved market share by 25%.Developed integrated dashboards using Tableau tracking prescription trends, payer dynamics, and HCP engagement across multiple geographies, informing \$20M+ investment decisions.Built initiative tracking systems monitoring 120+ concurrent projects, reducing status reporting overhead by 60% and enabling early alerts on critical to process insights in risk management for deliverables.Recognized with direct client appreciation for delivering solutions that transformed pharmaceutical teams' competitive landscape monitoring and resource allocation strategies.	

Business Operations Associate - ZS Associates	May 2021 - Dec 2022
<ul style="list-style-type: none">Designed clinical trial monitoring and audit readiness solutions, improving risk identification capabilities by 50% and reducing regulatory preparation timelines from weeks to days.Created comprehensive tracking systems for major pharmaceutical client's oncology portfolio transition, monitoring 110+ R&D initiatives and providing executive visibility into \$75M+ development pipeline.Implemented standardized data management protocols and automated reporting frameworks using Excel/VBA and Tableau, reducing manual effort by 30% while improving data accuracy.Contributed to multiple proof-of-concept projects that evolved into long-term client engagements, demonstrating business value of innovative analytics approaches in clinical operations.	

ACADEMIC PROJECTS

<ul style="list-style-type: none">Student Research Volunteer (Sep 2025 - Present): Researching on explainable AI techniques using publicly available mammogram datasets to enhance model interpretability and support early-stage cancer diagnosis.Harley-Davidson Capstone - AI Sentiment Analyzer (Jan 2025 - May 2025): Enabled H-D to shape marketing and R&D decisions by uncovering consumer insights from social media comments, using advanced NLP driven sentiment analysis (RoBERTa, BERT).	
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SKILLS

<ul style="list-style-type: none">Business Intelligence & Data Visualization: Tableau, Power BI, Looker, Excel, MS Office, KPI Design, Business Process Documentation, Data GovernanceData Engineering & Programming: SQL (Snowflake, Postgres), Python (pandas, NumPy, scikit-learn), PySpark, ETL/ELT Pipelines, Git, VBAMachine Learning & AI: Machine Learning, Predictive Analytics, PyTorch, YOLO (Computer Vision), Natural Language Processing (NLP), GenAICloud Platforms: AWS (SageMaker, Comprehend Medical), Azure Data Fundamentals, Google BigQuery, Amazon RedshiftStatistical & Analytical Methods: Statistical Analysis, Statistical Modeling, Process Improvement, A/B TestingHealthcare & Clinical Analytics: Healthcare Analytics, Clinical Trial Design, Risk-Based Monitoring (RBM), ICH-GCP	
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CERTIFICATIONS

<ul style="list-style-type: none">Google - Business Intelligence, Coursera - 2025 (Link)IBM - AI Foundations for Everyone, Coursera - 2025 (Link)Tableau Certified Data Analyst, Salesforce - 2023 (Link)	
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