

Saurabh Ghumnar

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SUMMARY

Results-driven Data Analyst with 3+ years of experience in statistical analysis, data visualization, and predictive modeling. Proven track record of improving business performance through data-driven insights, including 37% user growth and 28% cost reduction. Expert in SQL, Python, Tableau, Power BI and advanced analytics with M.S. in Technology Management with Business Data Analytics specialization.

EDUCATION

Gies College of Business, University of Illinois Urbana Champaign

Champaign, IL

Master of Science in Technology Management (STEM Designated)

Aug 2025

Specialization: Business Data Analytics - GPA: 4.00/4.00

Relevant Coursework: Business Data Analytics, Data Storytelling, Big Data Infrastructures, Decision Analytics.

Savitribai Phule Pune University

Pune, MH

Bachelor of Engineering, Computer Engineering - GPA: 3.74/4.00

May 2021

PROFESSIONAL EXPERIENCE

QSTN LLC (Business Practicum) | Data Analyst

May 2025 - Present

- Increased user sign-ups by 37% and engagement by 40% by conducting comprehensive behavioral data analysis using Python-based statistical models and running multivariate A/B tests across 3 digital channels, which informed the design and optimization of targeted campaigns.
- Improved user retention by 52% through designing predictive models and developing automated reporting systems, leveraging insights from 50+ user interviews to tailor customer segmentation and retention strategies in collaboration with engineering and product teams.
- Enhanced team alignment by 50% and accelerated launch by 3 weeks by analyzing market and competitor data with SQL, building real-time Power BI executive dashboards, and facilitating cross-functional workshops for data-driven project planning.

Persistent Systems | Senior Analyst

May 2021 - May 2024

- Increased customer satisfaction by 25% through performing granular statistical analysis on customer feedback data and creating automated dashboards, enabling leadership to track sentiment and prioritize product improvements efficiently.
- Reduced support case backlogs by 93% through developing predictive maintenance models and interactive real-time monitoring dashboards, empowering support teams to identify recurring issues and proactively resolve them before escalation.
- Improved customer retention from 82% to 94% by conducting in-depth churn analysis using SQL and Python, designing predictive models, and developing Tableau dashboards to visualize at-risk customer cohorts, which guided targeted outreach campaigns.
- Contributed to 17% sales growth through statistical market analysis and predictive models for feature prioritization.

KEY PROJECTS

FinOps and Cloud Cost Optimization using Snowflake

Feb 2025 - May 2025

- Achieved 28% cost reduction and 40% resource utilization improvement through comprehensive data analysis and statistical modelling, by developing Python-based cost optimization algorithms, creating executive-level analytics dashboards, and implementing automated reporting systems for continuous monitoring.

Marketing Offers using AWS

Nov 2024 - Jan 2025

- Increased conversion rates by 25% and quarterly revenue through advanced data pipeline analysis by architecting AWS-based data processing systems handling 1M+ daily events, developing real-time analytics using SQL and Python, and creating automated reporting dashboards for marketing optimization.

SKILLS AND COMPETENCIES

- Data Analysis:** Statistics, Data Modeling, Predictive Analytics, A/B Testing, Data Cleaning, Data Visualization, Data Validation, Regression Analysis, Hypothesis Testing, Report Automation.
- Technical Skills:** SQL, Python (pandas, matplotlib, scikit-learn), R, C++, Excel, PowerPoint, Tableau, Power BI, Looker, AWS (S3, Lambda, EC2, Glue, Athena), Snowflake, Git, Jira, Confluence, Slack.
- Certifications:** Certified Associate in Project Management (CAPM), Data Analyst Certification, Microsoft Azure Fundamentals, Microsoft Python Programming, SQL Fundamentals, Google AI Essentials, Gen AI Practitioner.