

SHUBHAM MITTAL

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Summary

Analyst with advanced skills in visualization, statistical analysis, and fraud detection. Successfully implemented Python-based solutions to cut analysis time by 60% and improved risk management measures, recovering substantial financial losses. Aims to utilize expertise in data analysis and predictive modeling to support strategic decision-making in impactful roles.

SKILLS & CERTIFICATIONS

- **Programming & Analytics:** Python, R, PostgreSQL, SQL Server, VBA
- **Data & BI Tools:** Tableau, PowerBI (DAX), Advance Excel, Airflow, Snowflake
- **Cloud Platforms:** AWS Tools (Redshift, Aurora, Athena, QuickSight, EMR, DynamoDB), Google Cloud Platform
- **Certifications:** Google Advanced Data Analytics Professional, Six Sigma Green Belt (EY), AWS Cloud Practitioner

PROFESSIONAL EXPERIENCE

Data Science Research Services

Mar 2025 - Present

Data Scientist

Champaign, IL

Reduced manual analysis time by 60% developing a Python-based AI visualization agent automating insights from 10K+ data points

- **Business Intelligence & Visualization:** Applied dashboarding techniques that increased stakeholder accessibility by 40%, translating scenarios into executive insights.
- **Statistical Analysis:** Delivered interactive BI solutions using statistical modeling, achieving 30% improvement in user engagement.

Road Ready Wheels (Business Practicum)

May 2025 - Jul 2025

Team Lead (Data Analyst)

Champaign, IL

Identified high-ROI investment opportunities with 50% projected returns through \$4B aftermarket segmentation analysis

- **Market Coverage Expansion:** Improved market penetration by 54% using data-driven vehicle-to-SKU segment prioritization strategies.
- **Cross-functional Leadership:** Coordinated teams delivering actionable recommendations, ensuring alignment between analytical insights & strategic objectives.

Discover Partners Institute (Business Practicum)

Aug 2024 - Jan 2025

Data Analyst

Champaign, IL

Reduced data inconsistencies by 15% across 5 education sources through SQL Server data warehousing architecture.

- **Dashboarding:** Created Tableau dashboard visualizing ~250K school district data points, enabling insights for around 50 policymakers.
- **ETL Process Design:** Implemented SQL-based extraction and transformation workflows, establishing robust pipeline architecture.

Oxygen Services India

Mar 2022 - Jul 2024

Senior Risk Data Analyst

Gurugram, India

Recovered \$300K in fraudulent transactions by automating real-time detection system replacing manual Excel processes

- **Risk Analytics & Compliance:** Analyzed transactional data across ~5K banking kiosks processing \$6M daily, ensuring regulatory compliance.
- **Predictive Modeling:** Developed fraud detection models using Random Forest and Logistic Regression, achieving 40% accuracy improvement and 25% false positive reduction.
- **Executive Reporting & BI:** Built Tableau dashboards and SQL ETL pipelines for C-suite, reducing manual reporting by 60%
- **Stakeholder Management:** Orchestrated cross-functional delivery meeting requirements, ensuring timely reporting for critical risk management decisions

Leadership

Prof Ashish Khandelwal (Gies College of Business, UIUC)

Jan 2025 - Apr 2025

Research & Teaching Assistant (Consumer Behaviour)

Enhanced consumer behavior research through conceptual modeling & advanced visualizations, supporting research initiatives

- **Team Management & Mentoring:** Mentored 10 MSBA Business Practicum teams, supporting project execution and strategic decision-making.

EDUCATION

University of Illinois Urbana-Champaign

Aug 2024 - Aug 2025

Master of Science, Engineering Management

Champaign, IL

Coursework: Big Data Infrastructure, Enterprise Database Management, Data Storytelling, Business Intelligence

Vellore Institute of Technology

Jun 2018 - May 2022

Bachelor of Technology, Mechanical Engineering

Vellore, India