

KETKI GODSE

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Skills: Python (Pandas, NumPy, scikit-learn), R, SQL, Tableau, Power BI, Excel, Snowflake, Databricks, MS SQL Server, Azure DevOps, Git, Jira, Jupyter Notebook, RStudio, MATLAB, C, Lucid Chart, Azure Data Studio

EDUCATION

Master of Science in Information Management | University of Washington (Jun '24) (GPA: 3.91)
Specialization in Data Science & Business Intelligence

Bachelor of Engineering in Electronics and Telecommunication | University of Mumbai (Jun '21) (GPA: 3.80)

RELEVANT EXPERIENCE

Technical Risk Analyst | EY | Seattle (Feb '25 – Oct '25)

Python, SQL, Snowflake, Data Lineage & Mapping, SOX ITGCs, GitHub, Lucid Chart, Consulting

- Assessed **10+** automated data jobs and system interfaces by reviewing Python and SQL code, to validate configurations, monitor job failures, and verify change management governance.
- Performed data lineage and data element mapping across **10+** databases and **30+** tables in Snowflake to capture all attributes handling financial data, enabling targeted control implementation, and enhanced traceability for SOX-critical data flows.
- Created a data flow diagram illustrating the end-to-end movement of data from upstream PSP systems through AWS S3 and Snowflake to NetSuite, assisting in control placement across the data pipeline.
- Conducted subscription revenue, discount, and sales tax analysis to identify anomalies, reconcile data across systems and ensure no material variances (**>500K**) are present in reported financial data.
- Collaborated with cross-functional teams and stakeholders across the U.S. and international clients to align on control testing procedures, evidence collection, and issue remediation.

Data Scientist Intern | Elile AI | Seattle (Jul '24 – Sep '24)

Python, Azure Databricks, Apache Spark, SQL, Predictive Maintenance, Feature Engineering

- Developed predictive maintenance models using XGBoost to forecast inverter heatsink temperatures, reducing equipment failure risk and unexpected breakdowns by **~15%**, improving operational reliability.
- Optimized maintenance scheduling using model outputs and risk thresholds, contributing to a **20%** reduction in equipment downtime and measurable cost savings.
- Collaborated with UAE-based cross-functional teams (operations, finance, engineering) to operationalize model insights and support data-driven maintenance decisions.

Data Scientist | University of Washington | Seattle (Jun '23 – Jun '24)

Python, SQL, Power BI, Azure DevOps, Azure Data Studio, Time-Series Forecasting

- Developed sales forecasting models using ARIMA, Prophet, and LSTM for UW dining facilities, enabling the marketing team to optimize targeted promotional campaigns and pricing strategies, resulting in a **5%** increase in profit margins and improved ROI on marketing spend.
- Applied forecast-driven insights to optimize staffing schedules and inventory planning, reducing ingredient wastage by **10%** and improving operational efficiency and profitability.
- Streamlined cross-functional collaboration by integrating forecasting workflows with Azure DevOps, ensuring marketing and operations teams had access to real-time model outputs and operational insights.
- Built a Power BI dashboard to visualize key operational KPIs for the ticketing system, reducing response times and increasing customer satisfaction by **25%** through more efficient ticket handling.

Data Analyst (Capstone) | Included.ai | Seattle (Oct '23 – Jun '24)

User Research, Stakeholder Interviews, Reporting Framework Design, Agile Project Management

- Led user research by interviewing diversity leaders and 50+ participants across diverse ethnographic groups, and analyzing SEC regulations and ISO standards to design a standardized DEI reporting framework, improving transparency and enabling executive-level decision-making on diversity initiatives across multiple organizations.

Financial Analyst – II | J.P. Morgan Chase & Co. | Mumbai (Jul '21 – Apr '22)

PitchBook, Bloomberg, Salesforce, QlikView, Advanced Excel, Credit Risk Assessment, Fraud Controls

- Created treasury Relationship Reviews by evaluating R12 liquidity balances and ECR usage, client account structures, and fraud protection controls to improve treasury efficiency and risk coverage, helping clients reduce net service fees by **20%**.
- Executed Annual Grade Reviews by building risk matrices that combined financial metrics with industry research and qualitative risk factors to assess credit exposure, identifying **15%** of accounts requiring closer monitoring or tighter renewal terms.
- Contributed to treasury and commercial banking client growth by supporting bankers with client health checks, company research, and tailored product recommendations, helping increase treasury product penetration and active banking relationships by **10%**.

PROJECT

Business Intelligence | Kimball Data Warehouse for Store Analysis

- Designed a data warehouse for store analysis using Kimball dimensional modeling, enhancing data accessibility by **30%** and enabling better analysis of key business metrics such as sales performance, target achievement, and profit maximization.