

Sukumar Govindaraj

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TECHNICAL SKILLS

- **Programming & Scripting:** Python, R, SQL, Shell Scripting, Nodejs
- **Analytics & Modeling:** Predictive Modeling, A/B Testing, Hypothesis Testing, Time Series Forecasting, Data Mining, Statistical analysis, Optimization Techniques, Classification Algorithms
- **Data Manipulation Tools:** SQL (PostgreSQL, SQL Server), Snowflake, Pandas, NumPy
- **Machine Learning / AI:** Scikit-learn (Linear/Logistic Regression, Bayesian Statistics, Cluster Analysis, XG Boost), Statistics (Statsmodels), PyTorch, PySpark, Generative AI (LLM: OpenAI, Claude)
- **ETL & Data Pipelines:** SSIS, SQL Server Agent, Python ETL Scripts
- **Cloud & Platforms:** Azure (ML, Databricks, Synapse), AWS (S3, Lambda, SageMaker)
- **Dashboarding & Reporting:** Tableau, D3.js, Excel (Pivot Tables, Power Query), PowerPoint, Data Visualization (Seaborn)
- **Project Management & Collaboration :** Agile, CI/CD, MLOps, Jira, Confluence, Git, Cherwell

PROFESSIONAL EXPERIENCE

RESEARCH ASSISTANT | UT Arlington | Arlington, TX

Sep 2023 – Present

- Collaborated with research teams and Leadership to understand business context and project objectives, extracting and analyzing structured datasets using SQL and Python to support predictive modeling and web-based reservation system optimizations.
- Led a team of 3 members and guided them on associated projects by providing support in database design, automation techniques, and performance tuning for improving the efficiency of analytics workflows and scheduled queries.
- Provided reliable access to high quality data through Tableau dashboards and reports summarizing tool utilization, reservation patterns, and user activity metrics to facilitate data-driven decision-making within the lab environment.

DATA ANALYST | Victoria's Secret & Co | Bangalore, IND

Mar 2022 – Jul 2023

- Utilized technical and analytical skills to extract, format, and report on historical sales and inventory datasets to uncover demand patterns, contributing to enhanced forecasting accuracy and optimized inventory management decisions.
- Collaborated with cross-functional teams to define success metrics and design visualizations using Power BI to capture ongoing success evaluations for dashboard presentations.
- Demonstrated the summarized procedures and strategic insights to leadership teams, resulting in measurable improvements in operational efficiency and enabling timely business recommendations for inventory control and supply chain planning.

DATA ENGINEER | Web Wing's Global Solutions | Bangalore, IND

Jan 2021 – Mar 2022

- Designed and implemented robust ETL pipelines using SQL and MongoDB that processed large-scale operational data and provided clean inputs for dashboard development and predictive analytics across internal and external reporting systems.
- Participated in researching predictive analytics and visualization approaches by integrating multi-source data into dashboards, facilitating decision-making processes and supporting advanced score carding solutions for business users.
- Mentored junior engineers and provided technical guidance on data integration, monitoring scripts, and job scheduling, while supporting continuous improvement and ensuring availability of data structured for dashboard development.

PROJECTS & PUBLICATIONS

MULTI-AGENT AI WORKFLOW - AGENTIC AI | [GitHub](#)

Apr 2025 – Apr 2025

- Architected an n8n multiagent workflow with modular AI nodes (Email, Calendar, Air table, Web-Scrape) defined JSON schemas for each and implemented centralized logging error retries and alerts to ensure reliable execution and transparent monitoring.

US AGRICULTURAL EXPORTS - TIME SERIES ANALYSIS | [GitHub](#)

Dec 2024 – Dec 2024

- Analyzed monthly US agricultural export data, applied interpolation to fill missing values, used STL decomposition with Box-Cox transform to uncover seasonality and trend components, and documented forecast performance metrics across holdout periods.

CUSTOMER TRIP INTENT CLASSIFICATION | American Airlines | Dallas, TX

May 2024 – Aug 2024

- Utilized Python and Snowflake to extract and analyze 20GB of booking records, built tree-based model to classify customer trip intent, and presented summarized results.

EDUCATION

MASTER'S DEGREE | Applied Statistics and Data Science | University of Texas at Arlington, TX

GPA: 4.0/4.0

BACHELOR'S DEGREE | Computer Science Engineering | Sahyadri College of Engineering, IND

GPA: 3.6/4.0