SHASHANK SRIDHAR

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Analytically driven graduate with a strong foundation in data analytics, problem-solving, and strategic thinking. Seeking full-time data-focused opportunities beginning august 2025 to drive business impact through insights and innovation.

SKILLS

Analytical Skills: Data Analytics, Dashboard Optimization, Data Warehousing and Visualization, Machine Learning, Root Cause Analysis, Risk Mitigation, Data Modeling, Data Mining, Statistics, A/B Testing, Requirements Gathering, Time Series Analysis.

Technical: Python, C++, SQL, Splunk, Tableau, Power BI, SAS Enterprise Miner, Microsoft Excel, Microsoft Azure, BigQuery, Linux, Amazon Web Services, Google Cloud Platform, Jira, Kanban, Git, Snowflake, Databricks, ETL Pipelines.

Certifications: Microsoft Certified: Azure Fundamentals, INFORMS: Analytics Professional, AWS Certified Cloud Practitioner, Google Analytics, Advanced SQL, Tableau Specialist, Microsoft AI Fundamentals, Python Programmer.

EDUCATION

Purdue University, Daniels School of Business – *Awarded Merit Scholarship*   **West Lafayette, IN**
Master of Science in Business Analytics and Information Management   **August 2024 - August 2025**
SRM Institute of Science and Technology   **Chennai, India**
Bachelor of Technology, computer science and engineering, GPA 4.0/4.0   **June 2018 - June 2022**

PROFESSIONAL EXPERIENCE

Major Us Defense Contractor   **West Lafayette, Indiana**
Analytics Consultant   **January 2025 - Present**

- Led a project to automate defense intelligence gathering by scraping 100+ country-specific sources using **Python**, reducing manual monitoring time by 63% and enhancing data pipelines, scalability, and operational efficiency.
- Developed a metadata tagging and entity recognition system using SQL and regex to auto-classify unstructured intelligence feeds, saving 20+ analyst hours weekly and enabling faster semantic search across mission-critical documents.
- Leveraged sentiment analysis and ML-based ranking to extract and prioritize key defense activities, enabling stakeholders to identify high-risk events 41% faster via **Power BI** dashboards and **SQL**-driven reporting workflows.

Bank of America   **Mumbai, India**
Technical Analyst   **April 2022 – June 2024**

- Created digital employee network, granting access to digital assets by developing **Splunk** Dashboards facilitating 24/7 automated monitoring of users, shortened incident response time by 4 hours improving data efficiency and system auditing.
- Developed and executed Python scripts for API testing to support integrated security systems, improving test coverage **by** 3× ensuring risk management, data governance, and better system integration validation that reduced defects by 57%.
- Remediated server vulnerabilities, reducing security risks by 44% by implementing Admin and User role**s** and a check-in/checkout system for controlled data access, aligning with access control and compliance protocols.
- Led migration of legacy system architecture to a cloud-based infrastructure streamlining deployment workflows, enabling secure, scalable remote access, cutting infrastructure maintenance costs by 29%.

TCS Ion   **Pune, India**
Data Science Associate   **May 2020- August 2020**

- Spearheaded a team of 3 to develop an NLP pipeline using SQL to process 532K+ records, improving classification accuracy and reducing processing time by 35% via feature extraction and dimensionality reduction.
- Developed and optimized classification models, for high-dimensional datasets, cutting training time by 36% and improving deployment turnaround by 2 days using F1-score, precision-recall, and cross-validation.
- Applied Bayesian decision theory and LDA topic modeling to improve classification interpretability, boosting coherence by 26% and visualized insights via **Tableau** with SQL-based pipelines.

ACADEMIC PROJECTS

- Stress Prediction from HRV Signals: Built an ML pipeline (TPOT, KNN) using SQL-based ETL, time-series smoothing, and anomaly detection to classify stress with 89% precision leading to 30% faster detection via Tableau dashboards.
- Airbnb Super host Prediction: Achieved 97% accuracy using Gradient Boosting and Difference-in-Differences to measure a 1.81% occupancy lift and enhanced conversion rates with uplift modeling, A/B testing, and behavioral analytics.
- Bankruptcy Prediction Modeling**:** Designed an ensemble model (SAS EM, Python) using Gradient Boosting, Polynomial Regression, and Neural Networks with 98.2% accuracy across 64+ financial indicators for early insolvency detection.

LEADERSHIP ACTIVITIES

- Awarded Best Intern at Expertshub: Leveraged statistical analysis and predictive modeling to generate actionable insights. Improved business outcomes through effective trend identification and exploratory data analysis.
- Gold Award Recipient at Bank of America: Successfully coordinated migration from Cisco to IBM using SQL and ETL processes. Enhanced operational efficiency through mentorship, cross-functional leadership, and data validation.
- Campus Ambassador for The Climber: Organized engaging tech events and workshops, utilizing Tableau and Power BI. Simplified complex machine learning concepts through compelling visual storytelling.