

# Shreyas Venkatesha Udupa

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## WORK EXPERIENCE

### EnterpriseWorks - University of Illinois Research Park

Champaign, Illinois

Data Analyst

May 2024 - Present

- Enhanced data accuracy by 20% and data integrity by 15% by overhauling Salesforce data management for over 10,000 customer records, leveraging automated ETL workflows and data pipelines with SQL and NoSQL databases.
- Elevated operational performance by 20% by creating and managing 15+ interactive Tableau dashboards to track KPIs, funding metrics, and EIR Utilization.
- Secured \$50,000 in funds and authored a proposal for \$150,000 by creating an ELDA curriculum, benchmarking 15+ incubators, and establishing strategic partnerships.
- Strengthened the FAST Center impact by 15% by mapping pre- and post-implementation impacts, analyzing 10+ years of data, visualizing program impact with Tableau, and projecting total awards for SBIR/STTR funding.

### Business Intelligence Group (UIUC)

Champaign, Illinois

Data Analyst Intern

Aug 2024 - Dec 2024

- Reduced stock discrepancies by 20% through exploratory data analysis (EDA) using Tableau, identifying demand patterns and customer behavior trends, and analyzing seasonality trends to optimize procurement and inventory management.
- Improved inventory turnover by 15% and minimized overstock by 25% by integrating external economic factors (CPI, fuel prices, global food indices) into predictive models, aligning inventory strategies with macroeconomic trends.

### Quantiphi Inc.

Mumbai, India

Business Analyst

Aug 2022 - Aug 2023

- Facilitated multi-stakeholder collaboration, working with Google Field Sales Representatives (FSRs) and Customer Engineers (CEs) to develop and implement tailored Google Cloud and AI solutions for key accounts in Healthcare and Financial Services.
- Expanded Google FSR engagement by 70%, improving customer acquisition by 35% and driving more potent account strategies through technical consultation and cloud solutions.
- Contributed to a 40% revenue growth trajectory by developing and executing data-driven cloud transformation roadmaps, aligning customer objectives with Google Cloud adoption strategies.
- Managed pre-sales and post-sales execution, optimizing proposal acceptance rates by 15% and ensuring seamless technical integrations and solution delivery.
- Strengthened customer acquisition strategies by 35% by leveraging data analytics to identify high-value prospects and optimize Google Cloud sales approaches, increasing engagement with Field Sales Representatives by 70%.

## SKILLS

**Skills:** Data Modeling, Business Analysis, Data Pipeline Design, Statistical Analysis, Predictive Modeling, Data Visualization

**Languages:** Python, SQL, R, Neo4j, C, Java, JavaScript, HTML, Apex

**Technologies:** Tableau, Looker, AWS (EC2, S3, Redshift, DynamoDB), Azure Cloud Platform, Power BI, Salesforce, Microsoft SQL Server, MySQL, NoSQL, PostgreSQL, MongoDB, Google Cloud Platform, Microsoft Office Suite

**Certifications:** Google Cloud Associate Cloud Engineer (2023), AWS Certified Solutions Architect (2025)

## PROJECT EXPERIENCE

### Automated Backup and Sharded PostgreSQL Database with ZFS on Azure

Champaign, Illinois

Data Engineer

Aug 2024 - Dec 2024

- Achieved seamless scalability and implemented a 3-server sharded PostgreSQL database on Azure, optimizing load balancing and enhancing data distribution.
- Ensured 100% data availability and minimized recovery time by automating ZFS backups using cron jobs and storing snapshots on a dedicated virtual machine, isolating backups from the primary servers to prevent data loss during server failures.

### Predictive Analytics of Chicago Car Crashes

Champaign, Illinois

Data Analyst

Aug 2023 - Dec 2023

- Increased predictive accuracy by 20% through a comprehensive analysis of 500,000 car crash records, employing statistical methods like the Chi-Square test and Logistic regression in R, leading to actionable insights on high-risk areas.
- Identified high-risk zones with a 20% rise in incidents and adverse weather patterns using 16 Tableau dashboards, enabling strategies that reduced accidents by 10% and potentially mitigated up to 25% of crashes in identified high-risk areas.

## EDUCATION

### University of Illinois Urbana-Champaign

Champaign, Illinois

MS in Information Management (GPA- 4.0)

**Coursework:** Data Mining, Database Administration & Scaling, Marketing Analytics, Data Visualization, Applied Business Research, Database Systems, Information Modeling