Vishnu Sankhyan

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EDUCATION

Georgia State University, J. Mack Robinson College of Business Atlanta, USA
Master's in Data Science December 2025
Relevant Coursework: Statistics, Data Programming, Database Management Systems, Machine Learning, Communication with Data.

Punjab Engineering College Chandigarh, India
Bachelor of Technology July 2021
Relevant Coursework: C, Computer Programming, Python, System Design.

SKILLS

- **Programming Languages:** Python, SQL, R.
- **Databases:** MariaDB, SQLite, PostgreSQL, Microsoft SQL Server, MongoDB, IBM Db2, Oracle Database, OrientDB, SAP HANA, Microsoft Azure SQL Database, Neo4j.
- **Tools and Frameworks:** Power BI, Tableau, Excel, Microsoft Office, Kubernetes, Docker, Apache Mesos, Amazon Web Services (AWS), Amazon Elastic Compute Cloud (EC2).
- **Machine Learning:** Pandas, NumPy, Seaborn, NetworkX, PyTorch, Matplotlib, Scikit.

WORK EXPERIENCE

Dell Technologies Atlanta, USA
Graduate Research Assistant (Data Analyst) August 2024 – Present

- Developed 5+ interactive dashboards in Power BI and Tableau, focusing on Click-Through Rate (CTR), conversion rates, and lead-to-customer ratio, incorporating customer feedback to improve stakeholder engagement by 30% and enhance market penetration by 40%.
- Analyzed over 1 million customer sentiment records through advanced data modeling techniques, such as clustering (K-Means) and regression analysis, to segment customers based on demographics and behavioral patterns, improving data quality to 95% and enabling actionable insights for customer lifetime value (CLV) strategies.
- Designed and implemented churn prediction and demand forecasting predictive models using Python, R, AWS Glue, and ETL processes to integrate Dell hardware databases, optimizing marketing targeting strategies and increasing market campaign ROI by 20%.

Clevered Limited New Delhi, India
Data Analyst November 2023 – June 2024

- Automated daily ETL processes on AWS Glue, reducing manual effort by 86% and processing 20GB datasets for Tableau visualizations.
- Enhanced Power BI performance for UK and Asia EdTech marketing datasets by restructuring data models, indexing key fields, and optimizing DAX expressions, reducing load times by 97% (from 15 seconds to 0.5 seconds) and improving efficiency in managing student engagement and performance datasets up to 35GB.
- Designed and developed Power BI and Tableau dashboards to analyze HR activities for educational startups in the USA, UK, and Australia, improving data access accuracy and minimizing unauthorized usage risks by 83%.

Hero MotoCorp Limited New Delhi, India
Data Analyst July 2021 – July 2023

- Spearheaded supply chain data optimization using PySpark and SQL, enhancing vendor quality ratings for 500+ suppliers and achieving a 30% improvement in inventory management and production planning.
- Developed real-time Power BI and Tableau dashboards to optimize charging station data and retail performance across 100 cities, contributing to a 4.7% increase in market share and supporting the expansion of network operations with 4.5K+ charging points.
- Created Power BI dashboards comparing lithium levels and waste discharge of EV battery partners, identifying non-conformities in supply chain data.
- Orchestrated AWS S3 supply chain data pipelines, optimizing Spark ETL scripts to enhance material distribution efficiency across various manufacturing plants, achieving a 20% improvement in distribution effectiveness.
- Processed millions of supply chain partner schemas to create Power BI models assessing raw material quality, reducing manufacturing line failures by 20%.

Bechtel Corporation New Delhi, India
Data Analyst Summer Intern January 2020 – June 2020

- Used RegEx and Legal BERT to analyze meeting minutes and past construction data, predicting tender openings across the USA and Canada, increasing potential opportunities by 37% with 72% conversion.
- Addressed high transportation costs within the Thailand and Korea cluster by leveraging Tableau and Looker Studio to design cost-effective logistics strategies, resulting in a 15% reduction in transportation costs and the successful management of 20% of freight operations.

PROJECTS

Stock Market Prediction and Forecasting using Stacked LSTM
- Created a predictive model for **600+** stock prices and trends using a Stacked Long Short-Term Memory (LSTM) network.
- Integrated a MySQL database to store historical stock data, which was pre-processed and then fed into the LSTM model to improve accuracy in predicting future stock trends.

Comprehensive Pizza Sales Analysis in Georgia (Atlanta)
- Optimized sales insights for **50 pizza outlets** by developing a data pipeline and analyzing order patterns using MongoDB and Power BI.