SHRINIVAS BHUSANNAVAR

San Jose , CA

📞 669-252-9850 ✉ shrinivas.bhusannavar@sjsu.edu 🔗 linkedin.com/in/shrinivas97 ⬡ github.com/Shrini9797

Education

San Jose State University	3.9/4 GPA	Aug. 2023 – May 2025
Masters in Data Analytics		*San Jose, CA*
Visvesvaraya Technological University	7.8/10 GPA	Jun. 2016 – Aug 2020
Bachelor in Technology, Electronics and Communication		*Bangalore, India*

Relevant Coursework

- Statistics
- Machine Learning
- Big Data Technologies
- Data Visualization
- Python Programming
- Database Analytics
- Data Mining
- Data Structures Algorithms

Technical Skills

Languages: Python, C, SQL
Databases: MySQL, PostgreSQL, MongoDB (NoSQL), Neo4j (Graph DB)
Web Technologies: HTML/CSS, JavaScript, JQuery, Bootstrap, ReactJS,Flask API
Data Engineering: PySpark, Spark SQL, Kafka, Azure (Databricks, Synapse, Data Lake), AWS(Glue, QuickSight)
ETL & Visualization: Azure DataFactory, Apache Spark, Airflow, Tableau, Splunk, ELK,Data Warehousing
DevOps: Docker, Kubernetes, Git, Postman, Jenkins
Machine Learning: Hypothesis Testing, Regression, Classification, Time Series, Clustering, A/B Testing

Work Experience

Software Engineer I	**April 2021 – August 2023**
Johnson & Johnson (Relevance Lab)	*Bangalore, India*

- Designed, developed, and deployed a robust backend for a big data analytics application, empowering comprehensive supply chain data analysis through value stream mapping.
- Implemented interactive and user-friendly UI screens for the web application using ReactJS, seamlessly integrating various predefined components from npm to visualize and explore supply chain data.
- Integrated Flask APIs to streamline data loading into Neo4j GraphDB, ensuring seamless backend integration. Established API endpoints for fetching graph data, providing real-time updates to the UI for a dynamic user experience.
- Executed innovative proof-of-concept projects, including the transformation of complex Excel data using Pandas, automation of PDF invoice processing with OCR integration
- Orchestrated end-to-end data pipelines on Azure Databricks, using PySpark to ingest and process over 10+ million records of data per week from Azure Synapse, while seamlessly integrating automated scheduling in Azure Data Factory.
- Collaborated in designing data schemas, operating internal data warehouses, relational database systems, and modeling complex supply chain data in Neo4j GraphDB using Cypher queries.

Academic Project Experience

Predictive Analysis & Visualization: Stack Overflow Survey 2023 | *Python, Pandas, Scikit-learn*

- Employed exploratory data analysis on a dataset of 90k+ developers to effectively identify key trends and patterns.
- Applied CatBoost regression model achieving r-squared of 0.82, predicting developer salary within $5K of true value
- Illustrated effective data visualization using Tableau to articulate insights gleaned from expansive dataset.

Strategic Data Insights and Sales Trends Analysis into E-Commerce | *Python, AWS Glue, S3, Quicksight.*

- Formulated market basket analysis and customer segmentation techniques for the Amazon E-Commerce dataset.
- Devised machine learning models with Scikit-learn to anticipate sales trends and customer activities.
- Engineered ETL processes with Amazon Glue and Crafted an analysis dashboard in Amazon QuickSight.

Enhanced Surveillance System for Bike Rider Identification | *Python, OpenCV, Selenium* ▶ Demo link

- Developed computer vision surveillance system identifying riders and license plates targeting violations related to helmet usage and triple riding from video with 95% accuracy,and applying YOLOv5 deep learning algorithm on 20GB test data.

Certifications / Achievements

- Certified (**DataBricks Data Engineer Associate**),demonstrating proficiency in Big data engineering.
- Received a Spot Award in February 2022 for exceptional contributions.
- Recognized with a Quarterly Award for outstanding performance during April-June 2022.