Srikar Sistla

Halethorpe, MD
443-636-7777 srikarsistla710@gmail.com LinkedIn Github Portfolio

Professional Summary

Innovative and results-driven Business Intelligence Front-end Engineer with expertise in interactive data dashboards, analytics platforms, and real-time reporting tools. Proficient in Power BI, SQL, Python and React.js, integrating business intelligence with front-end development to create user-friendly, data-driven applications. Passionate about data storytelling, business reporting, and designing interactive intelligence solutions for enterprise users.

Experience

TANTVSTUDIOS **Nov 2024 – Present**
Software Engineer Intern *Washington DC, DC*

- Designed and developed an interactive platform for real-time news using React.js
- Integrated REST APIs for dynamic content, boosting interactivity and engagement, boosting project efficiency by 60
- Optimized SEO and page load time, improving performance by 30%.
- Explored ways to visualize and send a daily report of test results to team members using HTML, Javascript, and CSS.

Valhalla Data Systems **Oct 2024 – Nov 2024**
Front End Developer Intern *Clarksburg, MD*

- Designed and launched a Full Stack education website, Olademy, enhancing Maryland High School education access and enabling free education from top-tier universities.
- Revamped design tools and processes, leading to an 80% increase in annual revenue.
- Utilized PHP, HTML, CSS, and Linux OS for seamless integration and development.

Santa's Knights **Aug 2024 – Oct 2024**
IT Project Manager *New York City, NY*

- Led the project "Equisym" by applying business operation principles for a successful launch.
- Managed cross-functional teams, reducing project delays by 25% through improved collaboration.
- Used Power BI and Excel to create business intelligence reports for growth analysis.

Expand AI **Sept 2021 – Feb 2022**
Data Analyst Intern *Bengaluru, KT, India*

- Developed an interactive analytics dashboard using Power BI & Python, enabling business users to explore sales trends and customer segmentation in real-time.
- Designed data models & ETL pipelines in SQL to process business intelligence reports.
- Developed a data visualization web application, improving customer service analytics.
- Mentored junior engineers on Agile methodologies, ensuring project completion on time.

Education

University of Maryland at Baltimore County **Sept 2023 – Dec 2025**
Master of Science in Information System *Baltimore County, Maryland*

SCSVMV University **Aug 2019 – June 2023**
Bachelor of Engineering in Computer Science *Kanchipuram, Tamil Nadu, India*

Technical Skills

Business Intelligence & Data Analytics: Power BI, Tableau, Google Data Studio, SQL (PostgreSQL, MySQL), Python (Pandas, NumPy)
Frontend Development: React.js, Next.js, D3.js (Data Visualization), JavaScript, TypeScript
Developer Tools: Jupyter Notebook, Git, GitHub, Trello, Jira
Programming and Machine Learning: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), R
Machine Learning: Genetic Algorithms, Decision Trees, Random Forests, XGBoost, Hyperparameter Tuning
Predictive Analytics: Feature Engineering, Data Preprocessing, Classification, Model Optimization
Big Data: Apache Spark, Google BigQuery, Hadoop, dbt (Data Build Tool)

Projects And Publications

Prediction of Diabetes using SVM | *Python, ML Algoritms* **May 2022**

- Developed an ML-based classification model using Support Vector Machines (SVM) to predict diabetes risk, achieving 80.5% accuracy
- Built interactive Power BI dashboards for medical professionals, enabling real-time visual insights into patient data
- Implemented data cleaning, feature selection, and model evaluation using Python (Pandas, NumPy, Scikit-learn)
- Published findings in IJSCE Journal (DOI: 10.35940/ijsce.B3557.0512222)

Case Study on Revenue Analytics | *Data Visualization, Information Processing, POWER BI* **Nov 2024**

- Conducted Revenue & Profitability Analysis using Power BI, SQL, and Python, identifying trends and revenue drivers for business growth.
- Built machine learning models in Python (Scikit-learn, Pandas) to forecast future revenue trends based on historical data.
- Designed custom Power BI reports & dashboards, providing data-driven insights for stakeholders & decision-makers.
- Automated ETL pipelines & API integrations for real-time data updates, improving reporting efficiency by 30%.

A Genetic Algorithm for Rule Generation to Predict Student Success | *Machine Learning, Predictive Analytics* **March 202**

- Developed a **Genetic Algorithm**-based model to predict student success using **rule-based classification**.
- Performed **feature selection, data preprocessing**, and model optimization on **UC Irvine dataset**.
- Implemented **Python (Scikit-learn, Pandas)**, improving prediction accuracy to **24.2 fitness score**.
- Published in academic research (View Publication).