

SRIKAR SISTLA

Halethorpe, MD

☎ 443-636-7777

✉ srikarsistla710@gmail.com

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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.

Software Engineer specializing in API development, full-stack web applications, and business intelligence solutions using Python3, React.js, SQL, and cloud services (AWS, Firebase).

Proficient in RESTful APIs, GraphQL, database operations (CRUD), ETL pipelines, and CI/CD automation for scalable applications.

Experience in machine learning, predictive analytics, and web scraping to enhance data-driven decision-making.

Experience

TANTVSTUDIOS

Nov 2024 – Present

Software Engineer Intern

Washington DC, DC

- Developed an interactive **business intelligence dashboard** using **React.js**, **Next.js**, and **Power BI**.
- Integrated REST APIs & GraphQL for real-time data exchange, increasing performance by 40%.
- Implemented PostgreSQL CRUD operations for efficient data retrieval and updates.
- Deployed Power BI reports using AWS Lambda & S3, automating daily business insights.
- Optimized page load speed, improving frontend performance by 30%.

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 **ETL pipeline** for data preprocessing and transformation using **SQL** and **Python**.
- Built an interactive **Power BI dashboard**, integrating with a **Flask API** for real-time business insights.
- Implemented **web scraping scripts** (**BeautifulSoup**, **Scrapy**) to extract external business intelligence data.
- Automated **data extraction & storage** using **AWS Lambda & RDS**.
- Enhanced **CI/CD pipeline** for API deployments using **GitHub Actions & Jenkins**.

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

- Programming Languages:** Python3, JavaScript, TypeScript, SQL (PostgreSQL, MySQL), Bash
- Frontend Development:** React.js, Next.js, HTML5, CSS3, Redux, Apollo
- Backend & API Development:** Node.js, Express.js, Flask, FastAPI, REST APIs, GraphQL
- Database Management:** PostgreSQL, MySQL, MongoDB (CRUD operations)
- Cloud & DevOps:** AWS (S3, Lambda, RDS), Docker, Kubernetes, Jenkins CI/CD, GitHub Actions
- ETL & Data Processing:** Apache Airflow, dbt (Data Build Tool), Web Scraping (BeautifulSoup, Scrapy)

Projects And Publications

Prediction of Diabetes using SVM | *Python, ML Algorithms* 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/ijscce.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 2024

- 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).