

Aryan Singh

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SUMMARY

- Final-year B.Tech Computer Science student with a Minor in Finance at SRM University AP (Graduating 2026).
- Data-focused engineer skilled in Power BI, Python, SQL, and machine learning, with experience delivering high-quality dashboards, predictive models, and multi-source data pipelines.
- Strong background in DAX, Power Query (M), data modeling (star schema), ETL workflows, and transforming SQL/Excel/API datasets into KPI-driven insights.
- Hands-on experience conducting EDA, statistical analysis, feature engineering, and developing ML prototypes using real-world financial and operational datasets.
- Adept at communicating insights to stakeholders and supporting data-driven decision-making across finance, operations, marketing, and product.

EXPERIENCE

Data Science & BI Intern

July 2024 – August 2024

Bluestock Fintech

- Performed data cleaning, transformation, and EDA on high-frequency financial datasets, improving analysis accuracy by reducing inconsistencies by **20%**.
- Built Python-based analytical pipelines (Pandas, NumPy, Scikit-learn) to identify investor patterns and automate trend extraction.
- Designed SQL queries and created aggregated data models that reduced manual reporting time by **40%**.
- Developed Power BI dashboards with DAX time-intelligence measures to visualize KPIs like rolling returns, volatility, and user activity.
- Collaborated with product and research teams to translate business requirements into measurable KPIs and BI features.

Data Analyst Intern

May 2024 – July 2024

Agumentik Software Private Limited

- Collected, transformed, and modeled SQL/Excel data into structured reporting tables, improving refresh reliability by **30%**.
- Built operational and sales dashboards in Power BI using star-schema modeling, advanced DAX, and optimized relationships.
- Automated data-refresh cycles via Power Query M (merge, append, query folding), reducing manual updates by **70%**.
- Developed Python scripts for data preprocessing, anomaly detection, and CSV-to-database ETL ingestion.
- Worked cross-functionally with business teams to convert raw operational data into insights supporting strategic decisions.

PROJECTS

Do I Need This? – Consumer Behaviour Analytics Platform

- Designed analytics workflows to understand impulse purchase behaviour using custom scoring metrics and trend analysis.
- Built Power BI dashboards with segmented KPIs, affordability scores, and long-term behavioural patterns.
- Implemented Python scripts for correlation analysis, feature computation, and financial score modeling.

Snap2Fix – AI-powered Repair Insight System

- Developed ML pipeline using BLIP2 to convert images into structured textual insights.
- Transformed unstructured model outputs into action-ready recommendations using rule-based logic and preprocessing.
- Logged inference data for downstream analytics, monitoring, and performance visualization.

Lumos – Space Traffic Data Analysis System

- Analyzed orbital trajectory datasets using Python and SQL to detect anomaly patterns and collision risks.
- Built simulation models to forecast satellite movement and visualized outputs through analytical dashboards.
- Applied statistical evaluation and event trend analysis for prediction accuracy improvements.

CERTIFICATIONS

- **Google Data Analytics Professional Certificate**
- **Microsoft Power BI Data Analyst Certification**
- **AWS Certified Cloud Practitioner (CLF-C02)**
- **AWS Solutions Architect Associate (SAA-C03)**
- **Microsoft Azure AI Engineer Associate (AI-102)**
- **Tableau Essentials: Data Visualization and Analytics**

TECHNICAL SKILLS

- **Business Intelligence:** Power BI (DAX, Power Query M, star schema, RLS, performance tuning), Tableau, Looker Studio
- **Data Analysis:** EDA, statistics, KPI design, correlation studies, trend forecasting
- **Machine Learning:** Regression, classification, clustering, model evaluation (RMSE, F1, accuracy)
- **Languages:** Python (Pandas, NumPy, Scikit-learn), SQL, JavaScript (basic), C++ (basic)
- **Data Engineering:** ETL workflows, data warehousing concepts, multi-source integration, API ingest pipelines
- **Databases:** PostgreSQL, MySQL, SQLite, Excel Data Models
- **Cloud & Tools:** AWS, Azure, Git, Jupyter, Excel (Advanced), Linux