

Shreyash Sahare

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SKILLS

Data Manipulation: Pandas, NumPy, Spark SQL, Excel (Pivot Tables, Power Query, advanced formulas & functions), JSON
Data Visualization: Tableau, Power BI, AWS QuickSight (Highcharts integration, automated refreshes), Plotly, Matplotlib, Seaborn
Cloud Platforms: AWS (Glue, Lambda, S3, Athena), Azure (Databricks, Delta Lake), GCP (BigQuery)
Analytics & Testing: A/B Testing, Statistical Modeling, Hypothesis Testing, ANOVA, KPI Design

EXPERIENCE

Void Robotics Marathon, FL (Remote)
Robotics Engineering Intern 08/2025 - Present

- Engineered **ROS2-based** perception modules containerized in **Docker**, to support **robotic automation**
- Developed a **computer vision pipeline** for pill counting in **50+** images using **K-Means clustering** and CV techniques
- Implemented **SLAM-based navigation** in ROS2 and **YOLO object detection** in Docker for real-time perception

Mercor San Francisco, CA (Remote)
Data Science Expert (Independent Contractor) 08/2025 - 09/2025

- Analyzed **20+** datasets across several domains using **statistical modeling**, **hypothesis testing**, and **forecasting** techniques
- Designed **analytical frameworks** to evaluate **data quality** and **reasoning accuracy** across AI-driven outputs
- Developed **15+ dynamic dashboards** and evaluation metrics to score the LLM on crafted rubrics, achieving **27% across all tasks**

Parlay Finance Boulder, CO (US)
Data Scientist 01/2025 - 05/2025

- Engineered SBA loan classifiers, achieving **87% accuracy** on ineligible applications to **streamline** loan approvals
- Implemented data validation and anomaly detection processes to **reduce false approvals by 22%**
- Applied **JSON-based configuration** for metadata and validation rules to **streamline data processing**

National Institute of Technology, Tiruchirappalli Tiruchirappalli (India)
Undergraduate Research Intern 06/2022 - 08/2022

- Devised **ResCoWNet CNN** to denoise OCT scans, boosting **SSIM** by **12%** over baseline models for **clearer retinal imaging**
- Employed dual-tree complex wavelet transform (**DT-CWT**), reducing speckle noise by **30%** and enhancing **OCT scan clarity**
- Published in Elsevier (**8+ citations**), contributing to **AI-assisted** diagnostic tools for retinal diseases

TECHNICAL PROJECTS

Scaleflow - Supply Chain ETL Analytics | [GitHub] 02/2025 - 05/2025

- Architected RAG pipelines (**LangChain, GPT-4o**) to semantically search **3M+** trade records for **supply chain insights**
- Orchestrated **3 ETL pipelines (Airflow + Docker)** to ingest **1.5M+ records** for **supply chain analytics**
- Reduced ETL runtime by **58%** via multithreaded batching, enabling downstream access for **hourly reporting and ML tasks**

YouTube Ad Campaign Optimization | [GitHub] 12/2024 - 02/2025

- Deployed a serverless ETL pipeline (**AWS Glue + Lambda**) to structure **419K+** YouTube records for **ad targeting**
- Optimized S3-Athena queries, reducing latency by **40%** to enable **real-time content analytics** over **70K+ records**
- Built automated **QuickSight dashboards** on top of AWS Athena queries to provide **real-time ad performance tracking**

IBM Employee Attrition Analysis | [GitHub] 03/2024 - 05/2024

- Conducted multivariate HR data analysis using **Tableau** for **1K+ employees** to uncover drivers of **attrition and workforce risk**
- Identified **34.6%** higher churn among employees aged **24-30 vs. 42-48**, guiding **retention strategies**
- Propelled **targeted retention planning** for **200+ at-risk employees** through age-based attrition insights

EDUCATION

University of Colorado Boulder 08/2023 - 05/2025
Master of Science in Data Science GPA: 3.73

- Key Coursework:** Neural Networks and Deep Learning, Machine Learning, Big Data Analytics, Statistical Methods

National Institute of Technology, Tiruchirappalli 07/2019 - 05/2023
Bachelor of Technology in Electronics and Communication Engineering GPA: 3.22

- Key Coursework:** Linear Algebra and Calculus, Statistical Theory of Communication, Deep Learning

CERTIFICATION

- SnowPro Core Certification, Snowflake** - Aug 2025