**PROFESSIONAL SUMMARY**

Detail-oriented Data Scientist with 3+ years of professional experience spanning analytics, business operations, and cross-functional leadership. Proficient in Python (NumPy, Pandas, Scikit-learn, TensorFlow), R (tidyverse, ggplot2), SQL, and Power BI for building data pipelines, developing machine learning models, and delivering actionable insights. Skilled in classification, regression, clustering, model evaluation, and feature engineering. Brings a strong foundation in business analytics, reporting, and process optimization from prior roles—applying data-driven strategies to real-world challenges. Adept at translating business problems into analytical solutions and communicating findings through clear dashboards, reports, and stakeholder engagement.

**TECHNICAL SKILLS**

**Languages & Tools:** Python (NumPy, Pandas, Scikit-learn, TensorFlow, Seaborn, Matplotlib, etc.)| R/RStudio (tidyverse, dplyr, ggplot2, etc.) | SQL (PostgreSQL, BigQuery) | Power BI (DAX, RLS) | Github | Microsoft Office Suite

**Data Science:** EDA | Data Wrangling | Feature Engineering | Model Evaluation | CNNs | Classification | Regression| Clustering

**BI & Visualization:** Dashboards | Reports | Multi-dimensional Models | Row-Level Security

**Other:** Strategic Planning | Client Relations | Quality Control | Regulatory Compliance | Written/Oral Communication | Presentation | Team Leadership

**CERTIFICATIONS**

• Applied Data Science (MIT Professional Education: April 2025) • Data Analytics Professional (Google: September 2024)• Power BI Data Analyst Associate (Microsoft: April 2025) • Business Analyst using Power BI (Edureka: May 2024)

**DATA SCIENCE & ANALYTICS PROJECTS**

**Facial Emotion Detection – Applied Data Science, MIT Professional Education April 2025**

* Built a facial emotion detection system using a grayscale-optimized CNN with TensorFlow/Keras, achieving ~82% test accuracy and outperforming VGG16, ResNet101, and EfficientNetV2 models. Implemented real-time pipelines with batch normalization, dropout, and data augmentation (rotation, brightness, flipping) to address class imbalance and prevent overfitting.
* Conducted comprehensive model evaluation and hyperparameter tuning, benchmarking custom CNNs against RGB-based transfer learning models offering a lightweight, edge-compatible solution capable of real-time inference.

**Bikeshare App User Data – Data Analytics Professional, Google September 2024**

* Leveraged R programming (tidyverse package) to wrangle, clean, aggregate, and transform historical user data from a rideshare app for exploratory analysis while applying statistical techniques to uncover trends, patterns, and insights enhancing the understanding of user behavior.
* Analyzed 5M+ ride-sharing records to uncover usage disparities between members and casual riders, producing **ggplot2-based visualizations** and a documented end-to-end workflow that informed a **targeted marketing strategy** with user-specific promotions, member benefits, and a proposed membership ranking system.

**Certification Project – Business Analyst using Power BI, Edureka May 2024**

* Developed and deployed a Power BI dashboard analyzing over 6M+ HR data points, performing data transformation, modeling, and visualization to uncover market trends and support data-driven decision making.
* Enhanced performance and data clarity by creating efficient table relationships and DAX-based calculated measures for KPIs; implemented row-level security in Power BI Service to enable controlled regional access across teams.

**WORK**

**Owner/Founder (Small Business Startup) – Cilantro Fusion Grill *Laurel, MD*  June 2022—November 2024**

* Founded and managed full-service culinary operations, overseeing menu development, marketing, and client engagement for private and corporate events; delivered high-quality dining experiences while growing brand visibility and customer base.
* Leveraged data from sales, customer feedback, and event performance to forecast demand, optimize pricing, and reduce food waste by 20%; managed budgeting and cash flow analysis, increasing profit margins by 10% through cost optimization.

**Restaurant Operations Manager – Limoncello & Galliano Italian Restaurants (*Various Locations, MD*) June 2020—May 2022**

* Oversaw operations for two high-volume restaurants with $6M+ in combined revenue, managing teams of 80+ staff and streamlining vendor and payroll systems.
* Used Excel and POS data to generate operational reports and optimize scheduling, improving efficiency and service consistency.
* Developed and implemented SOPs and training programs, enhancing team performance and reducing staff turnover.

**Business Analyst – CODICE, LLC *Washington, D.C.* September 2015­­—April 2018**

* Team Lead for the $50.3M HHA Billing Project for the Department of Healthcare Finance (DHCF), overseeing Medicaid claims processing for six Washington D.C.-based healthcare providers and managing sensitive patient data via EZ Claim Billing with an 85%+ success rate.
* Provided analytical and consultative support by gathering technical requirements, interpreting vendor data, and generating weekly/monthly performance and financial reports in Excel to inform strategic decisions across DHCF teams

**Consultant (part-time with CODICE role) – VCARE, LLC *Washington, D.C.* September 2015­­—April 2018**

* Managed the **Medicaid MFP Demonstration DC database** by integrating Excel and Quickbase to track housing and participant data; processed client fund requests and generated monthly financial reports to support service delivery and expenditure oversight.

**EDUCATION**

**MBA, Concentration in Finance – La Sierra University, CA**

-Relevant Coursework: Quantitative Financial Analysis, Statistical Methods, Data-Driven Decision Making

**BA Business Management, Minor: Accounting – La Sierra University, CA**

-Relevant Coursework: Statistics for Business, Business Intelligence, Financial Analysis