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Newhaven, CT

# Profile

**Dynamic Data Analyst | Expert in Data Warehousing, Statistical Modeling, and Machine Learning** Proficient in Python, SQL, and cutting-edge frameworks like TensorFlow and PyTorch. Experienced in developing ETL pipelines, optimizing database schemas, and applying advanced statistical modeling techniques to drive business performance. At Harman Connected Services, implemented a data warehouse and ETL processes, improving decision- making and reducing manual effort through automation. Skilled in leveraging analytics and machine learning to deliver actionable insights and innovative solutions for complex business challenges.

# Skills

**Languages** (Python, R, SQL, NoSQL, Java, HTML),

**Data Processing & Streaming** (PySpark, Apache Kafka, Pandas, NumPy, Airflow, Snowflake, ETL, Data Modeling, MS Excel),

**Database & Other Tools** (Power BI, Tableau, ETL, MS SQL, MySQL, MongoDB, GitHub, Docker, Azure, Agile, AWS (EC2, S3, Athena, Glue, Cloud Watch, API Gateways, Data Sync, Lambda, Step Function, DynamoDB, RedShift, SQS)),

# Professional Experience

**Data Analyst,** *HARMAN CONNECTED SERVICES* 03/2022 – 03/2023 | BANGALORE

Harman Connected Services is a global leader in connected car technology, lifestyle audio innovations, design and analytics and digital transformation.

* Implemented a data warehouse to store and analyze large volumes of data,resulting in improved decision- making by management.
* Developed an ETL process to extract, transform and load data from multiple sources.
* Designed and implemented a database schema that optimized storage and retrieval of data, improving query performance by X%.
* Handled all aspects of design, including tables, views and functions.
* Identified different types of relevant data to improve business performance with better analytics.
* Utilized advanced statistical modeling techniques to identify key factors impacting business performance.
* Developed stored procedures and triggers to automate data validation and transformation processes, reducing manual effort by X%.

# Projects

## ANOVA Analysis on MMPI Data

* Conducted ANOVA on MMPI data to identify significant group differences.
* Interpreted results to assess the impact of various factors on psychological measures.
* Applied one-way and two-way ANOVA to explore relationships between multiple variables.
* Performed EDA to identify outliers and confounding variables, improving data reliability.
* Used Python/R/SPSS for statistical analysis and result visualization.

## Comprehensive Analysis of Spam Email Detection Using Logistic Regression

* Developed a logistic regression model for accurate spam email detection.
* Focused on feature engineering, variable selection, and model assumptions.
* Applied CRISP-DM methodology for systematic analysis and evaluation.
* Conducted text analysis to identify key email features for spam classification.
* Optimized spam filters to balance accuracy and user experience.

## Food Recipe Recommendation Mode

* Developed a recipe recommendation system using the Food.com dataset, pre-processing 500K+ recipes and 1.4M reviews.
* Built a collaborative filtering model for personalized recipe suggestions, enhancing user engagement.
* Showcased skills in data analysis, machine learning, and Python.

# Certificates

* IMO certification
* Programming Essentials in C from Cisco Networking Academy
* Cloud Computing from Coursera
* Introduction to Cloud from IBM
* Cybersecurity Essentials from Cisco Networking Academ

# Education

**Master of Science,** *University of Newhaven* 08/2023 – 05/2025 | West haven, USA Data Science

**Bachelor of Technology,** *Malla Reddy Engineering College for Women* 09/2018 – 06/2022 | Hyderabad, India Electronics & Communication Engineering