Nandha Shriram Sabbina

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Summary

Data Analyst with two years of experience in healthcare analytics, data visualization, and predictive modeling. Expertise in SQL, Python, Power BI, and statistical analysis. Proven ability to streamline data operations, automate reporting, and drive data-driven decision-making.

Technical Skills

Languages: Python, R, SQL.
Tools: Power BI, Tableau**,** Rapid Miner, Informatica, Hadoop Spark.
Statistical Analysis: Regression, Hypothesis Testing, Predictive Modeling.
Database: MySQL, Teradata.
Technologies: AWS (EC2, S3, Redshift), Hadoop.

Professional Experience

Elevance Health (Carelon)   **Hyderabad India**
Data Analyst   **June 2021 - Jul 2023**

- Analyzed medical data to identify trends, improve patient outcomes, and streamline healthcare operations.
- Designed Power BI dashboards and visualizations to monitor healthcare KPIs in real time.
- Automated reporting and data preparation processes using Python, reducing manual effort by 30%.
- Developed predictive models to forecast patient inflow and resource utilization, enabling proactive decision-making.
- Conducted root cause analysis to resolve discrepancies in healthcare claims, reducing processing errors by 20%.
- Created ad hoc SQL queries to provide stakeholders with faster access to critical information.
- Developed scheduled workflows to facilitate report delivery and enhance operational reporting.
- Implemented machine learning models using Scikit-Learn to improve predictive analytics and optimize patient risk assessment.

Education

University of North Texas, Denton   **May 2025**
Master of Science, Data Science

Gandhi Institute of Technology and Management, India   **June 2021**
Bachelor of Technology, Computer Science and Engineering

Self Projects

Movie Recommender | Python

- This project recommends movies and TV shows to users, based on movies they've previously watched on Netflix and Spotify.

Electronic Medical Records using Biometrics | Python, SQLite, Tkinter, OpenCV

- This project is designed to store medical records with biometrics, which helps retrieve them in emergency situations.

Gender and Age Detection | Python

- Using a single image, this project predicts the gender of these people and their age range.

Certifications and Internships

Deloitte
Technology Consulting Virtual Internship   **June 2020**

- acquired skill in cloud, data analysis, and data-driven business solution development.

Bolt IoT
Student Intern   **Nov 2019 - Jan 2020**

- Designed hands-on experiments with IoT use cases and simple machine learning models, allowing participants to develop real-world implementations.
- Research and developed IoT use cases, combining sensors and automation tools and showcasing functionality.
- Helped participants debug and tune IoT and ML projects for improvement in performance.