



SAMUEL RUBAN

DATA ENGINEER

 91-8220295678

 samuelruban1996@gmail.com

 Chennai

OBJECTIVE

A dedicated and analytical AI professional with 5 years of experience in Quality Assurance, seeking to apply my expertise in machine learning and AI technologies to enhance product quality and drive innovation. Eager to contribute to a forward-thinking team where I can further develop my skills and make a significant impact on the success of AI-driven projects.

SKILLS

Python

Java

TensorFlow

PyTorch

SQL

NLP

ML

Keras

Deep Learning

Selenium

Agile Methodology

EDUCATION

B.E (CSE)

ANNA UNIVERSITY

77% from Parisutham Institute of Technology and Science, Thanjavur, Tamilnadu.

ACHIEVEMENTS

Received the "Employee Excellence" award for two consecutive years for outstanding performance and dedication to quality and innovation in AI projects.

PROJECTS

Project -1

Title:

YouTube Data Harvesting and Warehousing using SQL and Streamlit

Description:

- Designed and implemented a robust data harvesting system to collect and store YouTube video metadata for trend analysis and content strategy development.
- Utilized YouTube Data API to extract key information such as video titles, descriptions, view counts, likes, and comments from targeted channels and categories.
- Developed a data warehousing solution using SQL to organize and manage the harvested data efficiently, ensuring data integrity and facilitating complex queries.
- Created an interactive dashboard using Streamlit to visualize data trends and provide actionable insights, enabling users to filter and analyze data based on various metrics.
- Implemented ETL (Extract, Transform, Load) processes to automate the data pipeline, resulting in a streamlined workflow capable of handling large volumes of data.
- Conducted thorough testing to validate the accuracy of the data collection and the reliability of the warehousing system, achieving a 99.9% data accuracy rate.
- The project successfully provided a scalable framework for content creators and marketers to understand audience engagement and optimize their YouTube strategies.

Project -2

Title:

Phonepe Pulse Data Visualization and Exploration

Description:

- Spearheaded a data visualization project aimed at uncovering insights from PhonePe transaction data to inform business strategy and user engagement initiatives.
- Extracted and processed large datasets from PhonePe's transaction records, ensuring data quality and consistency for accurate analysis.
- Employed advanced data visualization techniques using tools like Tableau and Power BI to create intuitive and interactive dashboards for stakeholder review.
- Conducted exploratory data analysis (EDA) to identify patterns, trends, and anomalies in user transaction behaviors across different demographics and regions.
- Collaborated with cross-functional teams, including product managers and marketing specialists, to translate data findings into actionable recommendations for product enhancements and targeted campaigns.
- Developed a dynamic data exploration platform using technologies such as D3.js and Python to enable real-time data interaction and discovery for end-users.
- Presented findings to senior management, highlighting key metrics such as transaction volume growth, user acquisition rates, and market penetration, which influenced the company's strategic decisions.
- The project contributed to a 15% increase in user engagement and was instrumental in optimizing the allocation of marketing resources for regional promotions.

CERTIFICATIONS

- Completed ISTQB AI testing Certification
- Completed Microsoft Azure AI Certification
- Completed Foundation Level ISTQB Certification in Software Testing