

# RISHIN TIWARI

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## SUMMARY

Experienced **data analyst** with over **2.5** years of expertise. Proficient in **Python, SQL, Tableau, PowerBI, R, ETL, statistics**, and **agile methodology**. Specialized in **AI** and **ML**. Committed to data-driven strategies for business growth.

## EDUCATION

**University of South Florida**, Tampa FL

**Aug 2023 - Dec 2024**

*Master of Science in Business Analytics and Information Systems*

**Medi-Caps University**, Indore

**Aug 2016 - Aug 2020**

*Bachelor of Technology, Information Technology*

## PROFESSIONAL EXPERIENCE

**Tata Consultancy Services (TCS), Mumbai**

**Nov 2020 - Jun 2023**

**Data Analyst**

*TCSion Digital Learning Hub*

- Conducted in-depth **exploratory data analysis** (EDA), revealing insights from web data, resulting in a **25%** increase in email campaign click-through rates, informed content strategies, and secured a reduction in bounce rate.
- Designed custom **dashboards** to monitor key performance indicators (**KPIs**) and track website traffic, enabling stakeholders to have real-time access to critical metrics.
- Applied data-driven analysis for **22% user engagement** growth through revelations into website activity of TCSion IDLH.

*Tata Business Hub (nexarc)*

- Produced concise **PowerBI** and **Tableau** dashboards for effective data-driven communication, enhancing data accessibility and decision-making efficiency by **15%**.
- Achieved a 20% increase in strategic actions, contributing to decision refinement through data analysis.
- Created visual reports using **Python** and Matplotlib, effectively illustrating intricate data trends within Tata nexarc.

*TCSion*

- Enhanced data accuracy to **99%** by validating with **SQL**, improving report quality and reliability.
- Deployed **machine learning** for **predictive analysis**, enabling issue resolution and user preference anticipation, resulting in a **25%** reduction in support tickets.

**Trinaabh Infotech Pvt. Ltd.**

**Apr 2020 - Jun 2020**

**Data Analyst Intern**

- Streamlined **ETL** processes, quality checks, and documentation for a **20%** reduction in processing time and improved efficiency.
- Leveraged **SQL, Python**, and **Excel** to conduct detailed data analysis, extracting valuable discoveries from complex datasets, contributing to well-informed decision processes.
- Improved decision formulation through **data exploration**, statistical analysis using **R**, and report generation.

## PROJECTS

**Audio to Sign Language Converter ( Published in International Journal : ([IJRASET](#)) )**

- Engineered a real-time voice-to-text system with **Pyaudio**, **SPHINX**, and Google Speech Recognition, transforming audio to on-screen sign language, significantly enhancing accessibility for over **5%** of the world's population with hearing impairments.

**Predictive Cardiovascular Disease Risk Assessment ( Machine Learning, Predictive Modeling )**

- Employed **machine learning** to predict cardiovascular disease threat on a dataset with **70,000** patient records, including model comparison for optimal accuracy, improving preventive health management.

**Retargeting Campaign Analysis ( R, Statistical Analysis, Regression )**

- Conducted a **statistical evaluation** of a retargeting campaign, analyzed key metrics, provided actionable insights, and attained a **12%** increase in conversion rates through data-driven enhancements.

**Sneaker Classifier (Keras, Tensorflow)**

- Implemented a deep learning project with **Keras** and **TensorFlow** to classify diverse sneaker images from ecommerce website data, reaching **89%** accuracy in categorization.

## TECHNICAL SKILLS

**Languages:** Python(NumPy, Pandas, Scikit-learn, Tensorflow, Matplotlib, Keras, PyTorch), R (Dplyr, ggplot2, Tidyverse), JavaScript, Java, C, C++, HTML5, CSS3, Angular.js, JSON

**Databases:** SQL, Azure SQL Edge, MySQL, NoSQL, MongoDB, Redis, PostgreSQL

**Tools/IDE:** PowerBI, Tableau Desktop, Azure Data Studio, R Studio, ETL tools, Docker, CI/CD, Apache Airflow, Apache Kafka, PyCharm, Visual Studio Code, Eclipse IDE, MS Excel, Git

**Machine Learning and Statistical Concepts:** Machine Learning (Regression, Classification, Clustering, Reinforcement learning), Statistical Analysis (Hypothesis testing, ANOVA, T-Test), Deep Learning (ANN, CNN, Gradient Descent), NLP, EDA