

Prabin Raj Shrestha

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Seasoned professional having more than 5+ years of experience, with excellent understanding of business operations and client service.

EDUCATION

Syracuse University School of Information Studies

Syracuse, NY, US

Master of Science Applied Data Science

Dec 2024

Database Management | Business Analytics | Quantitative Analysis

GPA: 4.0

Natural Language Processing | Applied Machine Learning | Big Data Analytics

National Institute of Technology

MP, INDIA

Bachelor of Technology in Mechanical Engineering

Jun 2017

Operational Research | Industrial Management | Applied Mathematics

SKILLS

Programming/Databases: **Python** (Pandas, NumPy, Keras, TensorFlow, PyTorch), **SQL**, **PySpark**, SAS, VBA, **Spark SQL**, AWS (Athena, EC2, S3, lambda), **Tableau**, **Databricks**, Apache Spark, shell, UNIX, Linux

Concepts: **Data Engineering**, **Visualization**, Story Boarding, **NLP**, **Text Analytics**, Quantitative Analysis, Statistical Analysis, **Predictive Analytics**, Forecasting, Strategic Operational Planning, Call Planning

Certification: CPR/AED certified, **Excel** Certification

WORK EXPERIENCE (5+ YEARS)

Data Analyst [Office of Retention and Student Success, Academic Affairs (AAF)]

Aug 2023 - Current

- Accountable for conducting **statistical analysis**, **data reports**, and **visualizations** using **R**, **Python**, **SQL**, Tableau and Excel to support AAF objectives for a student population of 22,000

Senior Associate (Decision Science) [Axtia Pvt. Ltd]

Jun 2020 – Jan 2023

- Accountable for consistently delivering **error-free data-driven insights critical for business decisions** such as **corporate restructuring**, **strategic targeting**, **ROI forecasting**, etc.
- Implemented wide range of analytical tools and automation **reducing turnaround time from a week to 2 days**
- Established efficient **data pipelines on Databricks, Spark, and SAS to preprocess and cleanse 1.4 billion rows of data**, creating a centralized repository used across team that minimized cloud processing expenses

Data Analyst [Essex Lake Group, LLC.]

Apr 2018 – Jun 2020

- Consulted a major Investment Bank in **development of quantitative and analytical tools** to enhance portfolio management of **\$65B in assets**. Resulting in a data-driven **centralized intelligence platform** that became critical source of information
- Developed tools to process and deliver **financial reports**, **data visualizations**, other reports leveraging **SAS**, **QlikView for 200+ stakeholders**

PROJECTS

Abstractive Text Summarization using Multi-head Attention Transformers

May 2023

- Developed an advanced **attention-based model** using deep learning for abstractive text summarization condensing 2,000-word articles into concise 200-word summaries
- Conducted extensive research on Attention models & explored various techniques to enhance text summarization

Health Care Referral Network Analysis

Jun 2022

- Conducted comprehensive analysis of the patient journey in Breast Cancer diagnosis, treatment, and healthcare provider referral using IQVIA and Symphony Claims data
- Identified subgroups of referral; Analyzed different diagnosis and testing behavior of HCP; and identified key HCP that can be targeted to gain additional market coverage

Tool Optimization and Performance Enhancements

Jun 2022

- Performed a complete overhaul of the Client Intelligence platform tool based on client feedback leading to tailored dashboards, increased performance, resulting in an **increase of tool usage by 54%**
- Optimized backend data processing, including denormalization, database schema redesign, etc., resulted in an **82% reduction in data retrieval time**