

Shashank Singh Yadav

Data Scientist and a creative problem solver



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Resume Summary

Data scientist with 5+ years of experience driving business growth through data-driven insights using Data science and machine learning. Proven ability to analyze and interpret large datasets to uncover actionable insights.



Work Experience

2021-1-
present

Data Scientist, CISCO Systems Pvt Ltd

- Worked on a custom ML model to identify missing contracts for RMs, optimising time by 6 months and generating a \$35 million impact in Fiscal year (2022, 2023).
- Worked on predictive renewal risk model utilizing machine learning techniques to accurately identify customers at risk of non-renewal, enabling retention strategy and revenue protection.
- Leveraged advanced statistics and ML algorithms to design and implement workforce coverage planning to optimize resource allocation and enhance productivity.
- Contributed as a data-driven strategist to the COO's office, translating business priorities into actionable strategies and campaigns, encompassing opportunity analysis, product metric definition, and hypothesis generation.

2019-8-
2021-1

Data Science Engineer, Sun Mobility Pvt Ltd

- Worked on patent ML algorithm for geographical information system (GIS) to optimize site selection for resource deployment, enhancing efficiency and maximizing operational impact.
- Developed a predictive Random Forest model to optimize battery charging and cooling times, significantly reducing customer service wait times.
- Conducted EDA to identify inefficiencies in charging station operations, providing actionable insights to the engineering team for performance optimization.
- Utilized regression analysis on energy consumption data to forecast power demand across diverse locations, enabling proactive infrastructure planning and capacity optimization.

2018-7-
2019-8

Data Science Developer , Antrigulam Labs

- Unraveled cargo ship behavior using EDA, identifying key correlations between vessel operations and business metrics (time, cost) for data-driven operational efficiency decisions.
- Analyzed cargo ship data optimising fuel consumption metrics.
- Developed a validation framework for geo-spatial cargo data.



Publications

- Shashank Singh Yadav, Vaidehi Vijaykumar, Joshan Athanasios. **"Detection of Anomalies in Traffic Scene Surveillance"** IEEE 2018 Tenth International Conference on Advanced Computing (ICoAC)
- Shashank Singh Yadav, Preeti Mittal **"Bridging Data Gaps with Machine Learning"** 55th Annual Convention of ORSI (2023- ORSI) Business Analytics and Intelligence (2023- ICBAl) IIM Bangalore.



Skills

Programming: Python, R, SQL, MySQL

Machine Learning Tools: Data Robot, Einstein Analytics

Visualization: Tableau, Plotly

Big Data: Hadoop, Pyspark, Spark

Data Visualization, Text Analytics/Classification, NLP, Time Series, Predictive Modelling, Regression, Classification, Supervised/ Unsupervised Learning

Data Storytelling

Googling

Communication

Microsoft Excel



Certifications

Data Camp - SQL

Data Camp - Basic LLM concept

Data Camp - Machine Learning

Data Camp - NLP

Story IQ - Storytelling For Business

Data Camp - Statistics

Data Camp - Deep Learning

Data Camp - Exploratory Data Analysis



Education

VIT University (2017 - 2019)

Masters in Big Data and Analytics

Inderprastha Engineering College

Information Technology (2011 - 2015)