

Archit Dudeja

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EDUCATION

University of Utah

Salt Lake City, Utah

Master of Science in Information Systems | Data Analytics Track | CGPA – 3.98/4

2023 – 2024

Courses: Business Analytics, Data Mining, Statistics, Data Engineering, Machine Learning, System Analysis and Design

Manipal University Jaipur

Rajasthan, India

Bachelor of Technology – Computer and Communication Engineering | CGPA - 8.07/10

2017 – 2021

Courses: Database theory & Design, Machine Learning, Statistics, System Analysis and Design, Communication system

SKILLS

Languages: Python (NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch), SQL, R (dplyr, tidyverse, ggplot2, shiny)

Visualizations: Tableau, Microsoft PowerBI, Looker Studio

Databases: MySQL, SQLite, PostgreSQL, Oracle SQL

Data Science Techniques: Hypothesis Testing, Data Wrangling, Statistical Modeling, Data Modelling,

Tools & Technologies: Git, Linux, AWS, Excel, Apache Airflow, Apache Kafka, SSAS, SSRS

WORK EXPERIENCE

University of Utah Health

Salt Lake City, Utah

Data Analytics Intern

May 2024 – Aug 2024

- Led migration from SAP Business Objects to Tableau, consolidating 23 high-value revenue reports into a single dashboard used by over 250+ active daily users to streamline data visualization and optimize query efficiency
- Engineered Tableau Reports encompassing transactions exceeding \$100 million for Revenue, Cost, and Payments, enabling data-driven decision-making and devised a gradient boosted forecasting model in Python, with 84% data accuracy
- Deployed an R Shiny application to enhance doctors' appointment scheduling. The app manages overbooking risks, accounting for last-minute cancellations and no-shows, thereby increasing appointment efficiency by 30%
- Remodeled a centralized knowledge base in ServiceNow, significantly enhancing organization-wide information management

University of Utah

Salt Lake City, Utah

Graduate Teaching Assistant

Jan 2024 – May 2024

- Collaborated with faculty members to facilitate courses in Business Analytics Fundamentals, Intro to Business Analytics, and Stats and Predictive Analytics for over 100 students, enhancing their understanding and application of analytics concepts.

Accenture

New Delhi, India

Associate Data Analyst

May 2021– Jul 2023

- Streamlined client communications and escalations among 5+ cross-functional teams, analyzing requirements utilizing PowerBI and Excel Pivot tables, achieving 95% client satisfaction
- Designed an inventory dashboard to identify and resolve overlapping of processes in 200+ client service center, freeing \$2M+ in capital, empowering regional part managers to drive informed decisions
- Spearheaded an automation initiative, orchestrating the analysis of a portfolio of over 50 applications using PL/SQL and SSIS improve ETL turn-around time, achieving a 40% reduction in data processing time
- Programmed a Monitoring application using Microsoft Power Apps, driving operational efficiencies through intelligent automation and reducing human involvement from 80% to less than 10%

PROJECT EXPERIENCE

Primary Children's Hospital

Salt Lake City, Utah

Personal Health Dashboard

Jan 2024 – Jul 2024

- Pioneered the development of intuitive patient and doctor portal, facilitating effortless data submission and retrieval, enhancing accessibility and usability by 50%
- Designed and implemented a personalized health Tableau dashboard, enabling comprehensive visualization and analysis of patient health metrics utilizing the Redcap Database, resulting in a 20% increase in informed decisions by patients.

University of Utah

Salt Lake City, Utah

Data Engineering Project

Jan 2024 – Mar 2024

- Engineered an end-to-end data pipeline leveraging the Surflin API for data extraction, SQL for data modeling, Apache Kafka for ETL streamlining, and AWS S3 bucket for data storage and hosting. Developed a ML model to forecast future trends by using a gradient boosted tree with 85% accuracy.

CERTIFICATIONS

- **Graduate Certificate in Business Analytics:** University of Utah
- **Intermediate Tableau:** On Datacamp

Dec 2024

Oct 2023