

Parth Rajpara

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Education

Master of Science, Business Analytics and Artificial Intelligence
The University of Texas at Dallas / TX, USA

August 2024 – May 2026

GPA: 4.0

Bachelor of Technology, Electronics and Communication Engineering.
Gujarat Technological University / GJ, India

August 2020 – July 2024

GPA: 3.4

Technical Skills

- **Programming & Databases:** Python, C++, SQL, R, PostgreSQL, MySQL, MongoDB, MS-SQL, Oracle, NoSQL
- **Data Engineering / ETL:** Apache Spark, Hadoop, Airflow, Snowflake, ETL Pipelines, Data Warehousing
- **BI & Visualization:** Power BI, Tableau, QuickSight, Qlik Sense, Advanced Excel
- **ML & Statistics:** Regression, Classification, Clustering, A/B Testing, Feature Engineering

Professional Experience

Durvasa Infotech

Jan 2024 - April 2024

Data Science Intern

Gujarat, India

- Developed predictive models for graduate admissions using Python (pandas, scikit-learn, TensorFlow), achieving 88% accuracy through feature engineering and hyperparameter tuning.
- Built ETL pipelines for data extraction, cleaning, and transformation, enhancing BI workflow automation and SQL-based data analysis, generating 20% more actionable insights.
- Optimized data preprocessing and model evaluation, reducing training time by 25% and improving model precision, scalability, and decision-making efficiency by 20%.

Satyam Fashion

Aug 2023 - Jan 2024

E-Commerce Data Analyst Intern

Gujarat, India

- Applied Lean Six Sigma to optimize e-commerce operations, reducing return rates by 20% and increasing profitability by 30% through data-driven inventory decisions.
- Optimized BI dashboards in Power BI & Tableau and automated SQL & Python-based data pipelines, boosting data visibility by 40% and cutting manual effort by 70%.
- Designed an Excel-based tracking system for sales, returns, and delivery cost analysis, reducing workload by 40% and identifying high-return products using Pareto analysis.

Projects

Player Management System

- Crafted a player analytics system using SQL, MongoDB, Python, and Streamlit, optimizing team performance by 40% through real-time data integration and predictive modeling (85% accuracy).
- Automated data pipelines, syncing 100% of records across MySQL and MongoDB, reducing manual effort by 70% and enabling A/B testing for 500+ strategic decisions.
- Designed interactive dashboards tracking 10+ key metrics, enhancing data-driven decision-making and roster optimization.

Automobile Price Prediction and Customer Segmentation

- Implemented a car price prediction model using R, Random Forest, and Gradient Boosting, achieving 96% accuracy to optimize pricing strategies and predictive analytics.
- Applied clustering techniques (K-Means, Hierarchical) to segment 8,000+ customer records, improving targeted marketing and inventory decisions by 30%.
- Cleaned and transformed large datasets, handling missing values with imputation and generating dummy variables, enhancing model performance and data-driven decision-making by 40%.

Certifications

- Statistics Foundations
- Introduction to Lean Six Sigma and DMAIC
- Google Data Analytics Professional Certificate (on going)
- IBM Business Intelligence Analyst Professional Certificate (on going)