Karan Raturi

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EDUCATION

The University of Texas at Dallas, Texas Aug 2023 – May 2025
Master of Science, Business Analytics and Artificial Intelligence **GPA 3.71**

Guru Gobind Singh Indraprastha University, India Aug 2018 – Aug 2021
Bachelor of Business Administration **GPA 3.50**

TECHNICAL SKILLS

- **PROGRAMMING:** Python (NumPy, Pandas, Seaborn, scikit-learn, TensorFlow), R, SQL, C++, HTML
- **TOOLS:** Power BI, Tableau, Microsoft Excel (Pivot Tables, VLOOKUP), Hadoop, Adobe Analytics, Google Analytics, Stata
- **DOMAIN KNOWLEDGE:** Predictive Analytics, Prescriptive Analytics, Marketing Web Analytics, Data Science, Cloud Computing
- **CERTIFICATIONS:** Introduction to MongoDB, Advanced Google Analytics
- **SKILLS:** Data Management, Data Engineering, Data Modeling, Data Visualization, Business Analysis

PROFESSIONAL EXPERIENCE

Doon Star Public School, India Aug 2021 – Aug 2023
Assistant Manager

- Optimized technology solutions that aligned with administration goals, reducing overhead costs by $1,000 per quarter.
- Improved financial planning accuracy by 15% through data analysis and optimizing the school's database to reduce redundancy.
- Led a cross-functional team to adopt new tools, enhancing operational efficiency and reducing administrative costs.

Relocatte, India Jun 2020 – Sep 2020
Management Trainee

- Collaborated with the operations and sales teams to streamline daily activities, leading to a 30% reduction in pending tickets.
- Identified expansion opportunities of business operations and collected relevant data of 75% of prospects.

ACADEMIC PROJECTS

Credit Card Approval Prediction

- Developed a machine learning model to predict the likelihood of credit card approval for an applicant given 21 predictors.
- Applied various machine learning algorithms such as Logistic Regression, Support Vector Machine (SVMs), Random Forest Classifier and k-Nearest Neighbors using scikit-learn to optimize accuracy and reliability to 95%.

Car Sales Price Prediction

- Developed a sales price prediction model using an artificial neural network with TensorFlow Sequential and Dense layers.
- Conducted data collection, cleaning, and feature engineering to improve model accuracy and achieved an adjusted R^2 score of 0.8.

Study of Customer Satisfaction towards McDonald's

- Leveraged advanced Excel functions to develop detailed descriptive statistics and visualizations, uncovering critical insights and correlations that boosted analytical accuracy by 30% and supported strategic planning.
- Analyzed customer feedback and conducted surveys; implemented changes that increased customer satisfaction scores by 25%.

Impact of Covid-19 on Paying Guests (PGs)

- Performed extensive market research on the impact of Covid-19, analyzing 150+ paying guests.
- Generated actionable insights and improved future trend accuracy by 20% using Excel.

ORGANIZATIONAL AND VOLUNTEER EXPERIENCE

Comet Cupboard, *The University of Texas at Dallas* Feb 2024 – May 2025

- Volunteered 40+ hours an on-campus student-led initiative, dedicated to helping students achieve academic success by alleviating their food insecurity challenges.

Cygnus, *MAIMS* Aug 2019 – Aug 2021

- Directed and successfully coordinated a team of 15+ individuals for multiple campus fashion parades, achieving a 100% event execution rate with exceptional results.

Kind Beings, *Delhi* Feb 2019 – Aug 2021

- Engaged in NGO-led citywide cleanliness and donation drives, covering over 50% of the area.
- Participated in weekly stray animal feeding drives, contributing to the nourishment of over 100 animals per week.