

Rajesh Giri

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SUMMARY: 6+ years of experience in data science domain analyzing structured and unstructured data to solve complex business problems driving a measurable business impact. Hands on experience in risk modeling, product analytics and marketing analytics using traditional machine learning, deep learning, and NLP techniques.

SKILLS

- **Core Competencies:** Data Cleaning, Hypothesis Testing, Data Visualization, Exploratory Data Analysis, Machine Learning, Deep Learning, NLP, Time Series Forecasting, A/B testing
- **Tools and Programming:** Python, SQL, Tableau, Power BI, C++, MS Excel, VBA Macros, JIRA, Miro, Flask
- **Libraries and Packages:** Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, PyTorch, Spacy, NLTK
- **Cloud Environments:** AWS SageMaker, AWS Athena, AIR9, Snowflake, Dataiku, Google Data Studio

EDUCATION

University of Cincinnati, Carl H. Lindner College of Business

Cincinnati, Ohio

Master of Science, Business Analytics (STEM) | GPA: 3.8/4.0

Aug'21- Aug'22

- **Relevant Coursework:** Probability Models, Optimization, Applied Statistical Methods, Data wrangling, Linear Regression, Data Visualization, Data Mining, Statistical Modeling, Time Series and Forecasting

Pune University

Pune, India

Bachelor in Electronics & Telecommunications Engineering

Jul'12 - Jun'16

WORK EXPERIENCE

Tiger Analytics

Cincinnati, Ohio

Data Scientist

May'22 – Present

- Developed a **Probability of Default** model that accurately forecasted charge-off probabilities for active credit card users with over **90%** recall, aiding in loss forecasting.
- Led a team of 4 to build a fully automated tool deployed using **Flask** to validate PDF letters for student loans business, saving manual work by more than **90%** and increasing accuracy by over **25%**
- Built an end-to-end **NLP** capability module in **PyTorch** for text classification using pretrained/custom-trained **Hugging Face Transformer models**

Ameritas Holding Company

Cincinnati, Ohio

Data Science Consultant (Part-Time)

Aug'21 – Feb'22

- Created comprehensive customer profiles for retirement plans by implementing a **K Means Clustering** model (using **Elbow** method) in **Dataiku** to establish customized marketing strategies
- Presented insights to leadership to facilitate targeted marketing contributing to **13%** increase in monthly sales

Aditya Birla Capital

Mumbai, India

Deputy Manager – Data Science

Nov'18 – Aug'21

- Developed a churn prediction model in **AWS SageMaker**, captured **34%** churners within 2 months of adopting the model
- Built a chat-based **NLP lead generation engine** to predict conversion likelihood using a **SVM classifier** and designed a scientific approach to evaluate model impact leading to **3x** increase in daily leads and **6x** increase in new business
- Managed **A/B testing** on scheme landing page, contributing to increase in annual SIP sales worth **\$12 Mn.**
- Extracted and analyzed industry data in **AWS Athena**, built dashboards in **Power BI** to track competition funds that aided top management for strategic decision making

Edelweiss Financial Services

Mumbai, India

Risk Analyst

Jun'16 – Nov'18

- Analyzed portfolio risk metrics, automated risk reporting process using **Python**, reduced turnaround time by **~40%**
- Built a **credit scoring model** based on **LGBM Classifier** to forecast credit defaults for unsecured lending business, potentially increasing profits by **~40%**
- Fetched data using **SQL**, performed data wrangling in **Python** to create a visual report in **Tableau** at a weekly basis that successfully helped driving business strategies
- Developed a **Stress Testing** Tool leveraging **SQL** and **Python** to gauge portfolio risk in extreme market movements scenarios

HONORS & ACTIVITIES

- Awarded **CEO Quarterly Award** thrice in tenure at Aditya Birla Capital
- Appointed as College **Sports Secretary** for academic year 2014-15 and organized multiple sporting events
- **Finalist** in **John Deere Techno Champ 2015**, a national level contest. Developed a mobile app to detect seeder blockages