# Rajesh Giri
## Available full-time: May' 22, Expected Graduation: Aug' 22

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## EDUCATION

**University of Cincinnati, Carl H. Lindner College of Business**  Cincinnati, Ohio
*Master of Science, Business Analytics | GPA: 4.0*  Aug'21 - Aug'22

**Pune University**  Pune India
*Bachelor in Electronics & Telecommunications Engineering*  Jul'12 - Jun'16

## WORK EXPERIENCE

**Ameritas Holding Company | Graduate Assistant – Center for Business Analytics | Cincinnati, Ohio**  Aug'21 - Dec'21

*Customer Segmentation – Retirement LoB*

- Delivered statistical insights on **5000+ companies** (customers) by performing **Exploratory Data Analysis** in **Python**
- Built a **K Means Clustering** model to cluster companies into **4** groups (using **Elbow** method), obtained a **Silhouette score of 0.64**
- Recommended course of actions for improving sales

**Aditya Birla Capital | Deputy Manager – Products |Mumbai, India**  Nov '18 - Aug'21

- Managed debt mutual funds having total assets worth **$22 Bn.** Identified market opportunities, initiated new product ideas and worked cross-functionally with stakeholders to generate additional business
- Built an interactive tracking dashboard in **Power BI** to monitor portfolio, sales and performance of competition funds that aided top management for strategic decision making contributing to **27% increase in quarterly net sales** of mutual funds
- Leveraged market data to perform data analysis, derived actionable insights to share with **3000+ sales team members**
- Led a team of 3 interns to motorize monthly data driven reports using **VBA** macros and reduced turnaround time by **~70%**

**Edelweiss Financial Services | Risk Analyst | Mumbai, India**  Jun '16 - Nov '18

- Generated **Portfolio Risk Report** for proprietary trades across 4 asset classes, automated the process using **Python to reduce turnaround time by ~40%.** Monitored risk parameters such as **VaR, Opening Gap, Modified Duration, DV01, Option Greeks**
- Built a credit risk model using **Light GBM Classifier (LGBM)** in **Python** for unsecured lending business to determine customers' credit worthiness, thus mitigating risk of credit defaults
- Built an **Excel** and **VBA** macros based tool which assisted in product approvals by estimating risk parameters for new products
- Fetched data using **SQL**, performed data wrangling in **Python** to create a visual report in **Tableau** at a weekly basis that successfully helped driving future business strategies

## ACADEMIC PROJECTS  https://github.com/rajesh32035

- **Employee Attrition Prediction –** Predicted attrition on an insurance company database by building **10 classification models** (Logistic Regression, KNN, Naïve Bayes, Decision Tree, Random Forest, Cat Boost, XG Boost, Ada Boost, Extra Trees, Light GBM) in **Python**. Analyzed **SHAP** values and performed hyperparameter tuning for the best performing model i.e. **XG Boost**.
- **Bike Sharing Demand** – Forecasted the bike rental demand of Bike sharing program in Washington, D.C. based on historical usage patterns using **Random Forest Regressor Model** in **Python**
- **Portfolio Optimization Model deploying Modern Portfolio Theory** - Constructed a portfolio optimization model in **Python** for a sample portfolio of four stocks and constructed an **Efficient Frontier**
- **Income Prediction in US** - Built a model using **Decision Trees** algorithm to predict if annual income of an individual exceeds $50,000 based on 1994 US census data

## SKILLS

- **Analytical Skills**: A/B testing, Hypothesis Testing, Chi-Square, Regression Models, Probabilistic Models (Logistic, Naïve Bayes), KNN, Decision Trees, Random Forest, Boosting algorithms, , Data Visualization, Data Management
- **Tools and Programming**: Python, R, SQL, Tableau, Power BI, Java, C++, MS Excel, VBA Macros

## 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 Technochamp** 2015, a national level contest. Developed a mobile application to detect seeder blockages