

# NIKHIL REDDY SATTI

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## EDUCATION

**University of Illinois at Urbana-Champaign, Gies College of Business**

**Champaign, Illinois**

Master of Science in Business Analytics, GPA: 4.00/4.00

Expected Graduation: May 2024

**Visvesvaraya National Institute of Technology**

**Nagpur, India**

Bachelor of Technology in Electrical and Electronics Engineering, CGPA:8.27/10

June 2021

## EXPERIENCE

**Exelon Corporation**

**Champaign, Illinois**

*Data Analyst*

September 2023-Present

- Analyzed real-time data of their supply chain using Python and Tableau to find redundancies and suggest cost-saving methods through insightful dashboards.

**Deloitte Consulting India Private Limited**

**Hyderabad, India**

*Business Technical Analyst-Consulting (Core Business Operations)*

July 2021-July 2023

- Designed and implemented multiple features in a health-insurance claim processing web application using Java, and Spring Boot which resulted in a successful Go Live
- Fixed over 250 defects by finding technical and functional gaps and implemented solutions in Java that stabilized the web application, which included writing optimized queries that reduced the response time of the queries by 70%
- Led testing teams to check the application for vulnerabilities through in-sprint and regression testing which led to a successful Go Live

## PROJECTS

**Customer Segmentation for Targeted Marketing Insights**

- Cleaned customer data for clustering readiness by handling missing values by applying appropriate processes
- Conducted k-means clustering on RFM-score to group customers by purchasing behavior and monetary value
- Visualized cluster characteristics in Tableau, revealing insights into customer segments for a comprehensive understanding of demographics

**Cloud-Optimized Data Ecosystem Project Integration**

- Established MongoDB Clusters on the cloud to provide a scalable and efficient storage solution for the data, implemented MongoDB clusters for secure storage and management of datasets
- Transferred Yelp data from Kaggle, utilizing Python for JSON to data frame conversion to facilitate seamless integration into the analysis workflow and leverage Yelp data for comprehensive analysis
- Established a connection between KNIME Workflow and MongoDB to efficiently manipulate and extract meaningful insights on both restaurant and NFT sales data

**SEC Filing Similarity's Influence on Tech Stocks**

- Explored SEC filing similarities correlation with stock prices, referring to "The Positive Similarity of Company Filings and the Cross-Section of Stock Returns" research
- Analyzed the impact on stock prices for 5 years of data (2018-2022) for 8 tech companies, investigating the link between SEC filing similarity and stock price movements to validate the research paper's hypothesis for diverse tech firms
- Conducted analysis of stock values, utilized data from two weeks before to two weeks after each SEC filing, and employed text scraping techniques to generate a similarity index, to observe the direct impact of the index on stock prices

**Statistical Modeling for Property Valuation**

- Conducted data cleaning to enhance the compatibility of the dataset with various models, implementing processes to address missing values, outliers, and inconsistencies
- Designed various regression models, including linear regression, lasso regression, random forest, and lightgbm, to determine the model that produces predictions closest to actual sale prices with minimal error
- Employed the random forest model to predict housing sale prices, with a specific focus on Cook County

## CERTIFICATIONS AND LICENSES

- Microsoft Certified: Azure Fundamental
- Basic Proficiency in KNIME Analytics Platform

## TECHNICAL SKILLS

- Programming Languages:** C, Java-8, Python, R, SQL
- Software:** MATLAB, Tableau, Wolfram Mathematic, RStudio, Knime, MySQL, MongoDB
- Version Control Tool:** GitHub
- Cloud Technologies:** Azure, AWS, Jenkins, Urban Code Deploy, Pivotal Cloud Foundry