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

- Gained functional insights into Exelon's reel tracking technology to understand the data, analyzing expenditure, and coming up with cost-optimizing locations to boost revenue

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

CAMPUS EXPERIENCES AND PROJECTS

Customer Segmentation for Targeted Marketing Insights — October 2023-November 2023

- Cleaned customer data for clustering readiness by handling missing values by applying appropriate processes
- Selected variables based on correlation, aiming to identify key clustering factors and gain demographic insights using statistical analysis
- 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 — October 2023-November 2023

- 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 dataframe conversion to facilitate seamless integration into the analysis workflow and leverage Yelp data for comprehensive analysis
- Integrated NFT data from Flipside using a Python API connection, incorporated real-time NFT sales information by establishing a connection for seamless data retrieval from Flipside
- Established a connection between KNIME Workflow to MongoDB to efficient manipulate and extract meaningful insights on both restaurant and NFT sales data

SEC Filing Similarity's Influence on Tech Stocks — October 2023-November 2023

- 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 — October 2023-November 2023

- Conducted data cleaning to enhance the compatibility of the dataset with various models, implementing processes to address missing values, outliers, and inconsistencies
- Selected a relevant set of variables by analyzing correlation and distribution, aiming to identify key factors influencing the sale price of houses using statistical methods
- 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, leveraging the algorithm's capabilities for accurate predictions after training on selected variables

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

HONORS AND AWARDS

- Awarded spot awards on various occasions for identifying and fixing critical defects prior to production
- Awarded applause award for spearheading a critical feature of claims processing web-application from grooming to Go Live