

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 (Concentration in Information Technology), GPA: 4.00/4.00

May 2024

Relevant Coursework: DB Management Systems, Cloud Computing, Big Data Technologies, Machine Learning, Business Intelligence

Visvesvaraya National Institute of Technology

Nagpur, India

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

June 2021

EXPERIENCE

University of Illinois at Urbana-Champaign

Champaign, Illinois

Research Assistant

January 2024 – May 2024

- Utilized Python, web scraping tools, ETL, Data Modeling, and NLP models to analyze philanthropic crowdfunding data for healthcare. Conducted sentiment analysis on textual and image data, resulting in a better understanding of emotions detected in images to funding, enhancing decision-making in healthcare fundraising strategies

Exelon Corporation

Champaign, Illinois

Business Intelligence Analyst

September 2023 – May 2024

- Enhanced decision-making of business processes by identifying cost-saving opportunities through insightful dashboards, leveraging Python and Tableau to analyze real-time supply-chain data, resulting in optimized operational efficiency

Deloitte Consulting India Private Limited

Hyderabad, India

Business Technical Analyst-Consulting (Core Business Operations)

July 2021 - July 2023

- Migrated a health insurance web application from a Cobol-based system to a cloud architecture through comprehensive business requirement analysis, code development, QA testing, CI/CD, and demos within an Agile framework
- Developed business rules for health insurance claim processing by understanding healthcare fundamentals on the IBM ODM rules engine which resulted in the successful claim calculation metric for the plans
- Successfully reverted 250+ regression bugs in 1.5 years, and enhanced system performance by optimizing SQL queries to reduce response time. Worked in a cross-functional team to deliver multiple functionalities

PROJECTS

Customer Segmentation and Demographic Insights Project

- Cleaned customer data by handling missing values and applying appropriate processes, resulting in a 25% improvement in data quality and readiness for clustering analysis
- Selected variables based on correlation and conducted k-means clustering on RFM-score, successfully grouping customers by purchasing behavior and monetary value, which led to a 30% increase in targeted marketing efficiency
- Utilized Tableau for data visualization of cluster characteristics, providing actionable insights into customer segments and enhancing demographic understanding, which contributed to a 20% boost in customer engagement strategies

Statistical Modeling for Property Valuation

- Conducted in-depth analysis of correlations, distributions, and data analytics to identify key factors affecting house prices. Meticulously cleaned data to remove inconsistencies, address missing values, and identify outliers, ensuring the use of the most informative and relevant variables for multivariate analysis
- Crafted diverse regression models for predicting Cook County housing sale prices with the most relevant variables, which included linear regression, lasso regression, random forest, and lightgbm. Resulting in 80% accuracy with random forest

Cloud-Optimized Data Ecosystem Project Integration

- Designed and deployed secure and scalable MongoDB clusters on AWS, enabling efficient data storage and management of restaurant and NFT sales data
- Automated data acquisition from Yelp API and internal sources using Python scripts for ETL and Data Modeling, streamlining data collection and integration into the analysis workflow for comprehensive analysis
- Established a connection between KNIME Workflow and MongoDB, enabling efficient data manipulation and extraction of valuable insights from both restaurant and NFT sales data

CERTIFICATIONS AND LICENSES

- Microsoft Certified: Azure Fundamental
- Basic Proficiency in KNIME Analytics Platform
- IBM Data Analyst Certified Professional

SKILLS

- Technical:** Java-8, RStudio, Python, SQL(MySQL), MongoDB, Hive, PySpark, Tableau, PowerBI, IBM Cognos, Figma, Visio, Azure, AWS, GCP, JIRA, Jenkins, UCD, PCF, GitHub, Knime, Wolfram Mathematic, Hadoop
- Functional:** Project Management, Client communication, Data Analytics, Healthcare Analytics, Supply Chain Analytics, Business Requirement gathering, Data Extraction, Data Visualization, Insight Generation

ACCOLADES

- Awarded applause awards on various occasions for delivering critical milestones
- Awarded outstanding award for being a key member in the migration of multiple business accounts from legacy to cloud