

Kanchan Singh

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EDUCATION

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

Champaign, IL

Master of Science, Business Analytics, 2024

GPA: 4.0/4.0

Relevant Coursework: Business Intelligence, Enterprise Database Management, Supply Chain Analytics, Big Data Infrastructures, Digital Marketing

Manipal Institute of Technology

India

Bachelor of Technology (Electrical and Electronics Engineering), 2019

CGPA: 7.42/10.00

PROFESSIONAL EXPERIENCE

Associated Wholesale Grocers Inc

Kansas City, KS

Data Analyst (Remote)

September 2023 - Present

- Pre-processed semi-structured sales data to consolidate into single dataset using Python (Pandas), and handled missing values and outliers, resulting in a refined dataset with 700,000+ sale items spanning over 3 years.
- Identified a 52% increase in sale trend during April and May for certain products by creating comprehensive data visualization of sales data through Python's Seaborn and Matplotlib libraries, indicating seasonality effect.
- Discovered a negative relationship between discount and sales of products by building a linear regression model with an accuracy of 76%, indicating redundancy of current promotions strategy.
- Presented analysis to 3 members of leadership team and recommended change in promotions strategy to increase sales by 25%+.

KPMG

Bangalore, India

Consultant, Cyber Defense - Strategy & Governance

April 2022 - March 2023

- Optimized risk assessment reporting for a Swiss-based investment bank by consolidating data from diverse sources using SQL queries, DAX calculations and Power Query in PowerBI, reducing development time by 20%.
- Conceptualized and developed PowerBI dashboards to communicate vendor risk assessment result to stakeholders, leading to a 15% reduction in response time to critical cyber risks.
- Drove business development initiatives including preparation of proposals and delivering sales presentations, resulting in acquisition of new business worth \$60,000+ each.

Associate Consultant, Cyber Defense - Strategy & Governance

April 2021 - March 2022

- Served as primary liaison between clients' CIOs and software development team of 6, to gather business requirements and build a lightweight, scalable and secure software platform (KaVACH) for vendor risk management.
- Interacted with 6+ customers weekly to showcase capabilities of software platform and addressed queries, leading to a 50% growth in sales.

Analyst, Cyber Defense - Strategy & Governance

July 2019 - March 2021

- Documented client's business requirements for a software platform (KaVACH) which automates vendor risk assessments, saving 400+ manual work hours per year.
- Translated complex business requirements into tangible deliverables such as Functional Specification Documents, Test Cases, User Stories, Wireframes, Requirements Traceability Matrix for 10+ customers.

ACADEMIC PROJECTS

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

Champaign, IL

Demand Forecast – Python

February 2024 – March 2024

- Utilized descriptive statistics tools such as scatter plots, box plots and auto-correlation plots to visualize bike demand data, observing time series nature of data.
- Created LASSO model in Python employing 10-fold cross-validation for feature selection and linear regression for prediction of bike demand.
- Implemented ARMA model for time-series prediction of bike demand leading to 80% decrease in RMSE compared to linear regression model.

NFT Dashboard – Python, KNIME

October 2023 – December 2023

- Implemented a data pipeline in Python, to extract NFT sales data from FlipsideCrypto via API calls and move it to local MongoDB cluster; connected cluster to KNIME for further analytics.
- Developed workflows on KNIME using captured data to create a dashboard to visualize current NFT trading trends, identifying profitable investment opportunities.

Predicting Property Prices – R

October 2023 – December 2024

- Analyzed Cook County's property price data to predict property prices by building various ML models, with lightGBM model achieving accuracy of 70% on test data.

SKILLS

Technical: Python (Pandas, NumPy, Matplotlib, Seaborn, SciPy, Sklearn) | R (Dplyr, TidyR, Glmnet) | SQL | Advance Excel | PowerBI | Tableau

Certifications: Microsoft Azure Fundamentals (AZ-900)