HARSHIT KASHYAP
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EDUCATION

Pursuing **Master of Science in Business Analytics and Project Management** | University of Connecticut, Stamford, CT, USA | Aug 2021 – Present
B. Tech – Mechanical and Automation Engineering | Maharaja Agrasen Institute of Technology, Delhi, India | May 2013 – May 2017

TECHNICAL COMPETENCIES

Programming Languages: Python, SQL, MATLAB, C, C++, SCILAB, and HTML.
Tools: AutoCAD, Oracle, RStudio, SAS, SQL developer, Pro/E, Catia, Solid Works, Tableau and Microsoft Office Suite.
Areas of Expertise: Data Cleaning, Data Mining, Exploratory Data Analysis, Data Collection, Statistical Analysis, Business Decision Modeling, Natural Language Processing, Time-Series Forecasting, and Supervised and Unsupervised Machine Learning

Academic PROJECTS

Stocks Recommendation Engine (Deep Learning | Python)
Recommending stock portfolios to customers and created a dynamic efficient frontier algorithm to iterate over a list of securities to increase Sharpe ratio of customer's portfolio.

Amazon Review Rating(NLP | Python)
Using natural language processing, multiple machine learning models were trained to predict an Amazon review rating based on the review text. In addition, one of the trained models was used to get insight into the reviews, detecting highly polarized words.

Online Shopping Application Database (SQL)
Designing a database which eases the transaction flow from registering as a customer until the order gets delivered. Handling large data and aggregating and integrating data from various sources to construct streamlined data pipelines

Load prediction (Python | RNN)
Applied time series forecasting for gas prices and generator load capacity. Applied EDA, one hot encoding and used RNN model to predict load.

PROFESSIONAL EXPERIENCE

CONNECTICUT INFORMATION TECHNOLOGY INSTITUTE, Stamford, CT, USA | Aug 2021 – Present | Student Administrator Specialist
Lead the data integration and management process to collect, organize, protect, and store an organization's data which aided in optimizing business.

Customer Test Rate (Machine Learning| python)
Web scraped with Selenium, analyzed time series, and built machine learning models to establish the average rate of customers that completed tests and automated responses, and then ran the server accordingly.

Automated Email Reply (NLP| Python)
Scikit-learn and Natural Language Processing were used to learn how to built and execute machine learning models to detect client responses and send out automated emails based on them.

ALLIANT INFOTECH LTD, INDORE, INDIA | May 2017 – June 2021 | Senior Data Analyst
Applied statistical tools and analysis to address business challenges in a variety of industries

Optimized Price prediction (MS Excel| Python)
Gathered details related to prices, target audience, and sales of other commercially available products. Compiled data using MS Excel and R to optimize the pricing structure and attractive promotional offers for launching products.

Customer Segmentation (MS SQL | Python)
EDA performed on the dataset to uncover insights on program health. Utilized PCA to reduce variables to be used in clustering algorithms like K-Means, PAM and DBSCAN to segment customer. Overall reduced email sends costs by 20% per email campaign.

Sentimental Analysis(Python)
Identified hashtags by doing sentimental analysis by using Twitter and Instagram API and campaign resulted in generating more than 140k impression.

Certifications

Applied Data Science II: Machine Learning & Statistical Analysis (WorlQuant University)(https://tinyurl.com/ywszr6my)
Applied Data Science I: Scientific Computing & Python (WorldQuant University)(https://tinyurl.com/2wnppant)
Introduction to Programming with MATLAB(Coursera)(https://tinyurl.com/ykwpb8r3)

Research Paper

Planar Robotic Arm
Presented and published a research paper on topic at the International Conference on Advanced Production and Industrial Engineering.
(https://www.researchgate.net/publication/312120643_Robotic_Arm_Aimed_to_Replace_Cutting_Processes)

Additional Experience

Independent Trader at Leeloo Trading.
Intern (2016), Indian Railways, New Delhi, India.
Trainee (2015), IQB Technologies, New Delhi, India.