Minesh Kumar

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EDUCATION

University of Cincinnati, Carl H. Lindner College of Business Cincinnati, Ohio
MS in Business Analytics with Expected: May 2023
Graduate Certificate in Data Science (GPA- 3.92/4)

- Relevant Coursework: Machine Learning Design, Data Mining, Probability, Linear Algebra, Statistical Modelling, Data Visualization, Data Management, Big Data Integration

SKILLS

Languages: Python, R, SQL, Bash Scripting
Cloud: AWS Athena, Lambda, SageMaker, GCP Bigquery, Azure MLFlow, Databricks
ML Libraries: sklearn, keras, LGBM, xgboost, synapseML
Data Processing/Visualisation: pandas, numpy, dplyr, plotly, ggplot2, PowerBI

WORK EXPERIENCE

Data Scientist II Apr '21– Aug '22
Zebra Technologies Bengaluru, India

- Directed data science efforts for demand forecasting for Hospital Patient Monitoring division of a Healthcare client
  - Generated a 4-month ahead forecast with 83% accuracy, using LSTM, ARIMA and Holt winters
  - Created data cleaning and forecasting pipelines on Azure MLFLow; designed and executed Outlier Detection method using STL decomposition
  - Implemented Data Triaging to prioritize training on high-impact data for maximum accuracy improvement
- Contributed to the development of the in-house product for easier ML experimentation
  - Developed the backend for SynapseML implementation of LGBM, authored data processing modules for outlier correction, time series disaggregation

Data Scientist I Dec '19– March '21
Zebra Technologies Bengaluru, India

- Worked on Demand Forecasting at scale for a consumer appliances company, improving the company's on-time delivery indicator from 0.3 to 0.5
  - Used LGBM for forecasting; achieved accuracy of 59%, enabling low-touch demand planning for high-selling products that contributed 60% to the annual revenue
  - Developed data cleaning, feature generation and prediction scripts on Azure Databricks; automated the monthly forecast generation process using Azure MLFlow
  - Performed extensive EDA on transactions, promotions, and lineage data; incorporated business checks to correct data for the disruption caused by COVID-19
  - Conducted Forecast Output Analysis on PowerBI to identify areas of improvement in modelling

Decision Science Analyst Jan '17 – Dec '19
Quantiphi Inc Mumbai, India

- Built a claim likelihood prediction model using XGBoost for an insurance client; achieved a recall rate of 85% and precision rate of 72% in identifying potential claims
  - Optimized XGBoost performance through hyperparameter tuning using caret package and performed cross-validation to obtain the best generalized model
  - Set up an Apache Zeppelin server on a GCP VM for data preprocessing, feature engineering and data retrieval
  - Deployed the model as a REST API using plumber library, enabling easy integration and usage by the client
- Performed descriptive analytics to analyze the impact of underwriting changes on an insurance client's business
  - Utilized Apache Zeppelin, plotly, and Google Data Studio to generate visual reports
  - Troubleshot and resolved technical issues, including solving a dependency that prevented interactive visualizations from rendering in Apache Zeppelin

PERSONAL INTERESTS

Passionate about latest advancements in technology. Successfully setup my HomePod to get answers from ChatGPT.