NANDINI KODALI

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Education

Mahindra University, Hyderabad   *(2020 - Present*)
BTech - Computation and Mathematics
CGPA: 8.0 (till 5th semester)

Projects

Revenue Insights Dashboard:
- Built a PowerBI dashboard for analyzing the revenues of a fictional company which runs hotels in various cities in India
- Calculated various measures, including but not limited to, Revenue per available room, average number of rooms ready to be sold per day, realisation percentage, and their week over week changes
- https://github.com/Kodali-N/Revenue_insights

Customer Churn Prediction:
- Performed EDA for gaining insights on different variables
- Trained and tested models such as, Logistic Regression Model, Support Vector Machine, K-Nearest Neighbours, Decision Trees, Random Forest.
- Created a PowerBI dashboard to analyze the profile of the churner
- https://github.com/Kodali-N/CustomerChurnPrediction

Forecasting volatility with Stochastic models:
- Studied the forecasting ability of ARCH/GARCH variations
- Further discussed the scope of implementing SVR along with GARCH models
- Tools used: Python, LATEX

Youtube Data Analysis: *(Ongoing)*
- Built a data lake in Amazon S3, Glue Crawler and Catalog
- Analyzed data using SQL
- Aim: To analyze the trending videos, their categories. This would one ideate their youtube campaign.

Skills

- Python, R, C, SQL, MATLAB
- Numpy, pandas, scikit-learn, Sea born, keras, OpenCV, TensorFlow, Pytorch
- PowerBI
- Web scraping, Data visualization, Machine Learning
- Problem solving, communication, critical thinking, team player

Certifications/Achievements

- IITM Data Science and AI   *(Ongoing)*
- IRM Global Level 1 certification on ERM   *(June 2023)*
- NVIDIA Student Ambassador training program   *(Sept 2022 - March 2023)*
  (Technology: RAPIDS)
- Certified student ambassador of   *(March 2023 - Present)*
   NVIDIA AI Technology Center (Technology: RAPIDS)
- University Merit Scholarship (AY 2021-2022)
- Late Prof. Vasudeva Murthy Memorial Merit Scholarship (AY 2021-2022)
- Member of University Mathematics Society   *(Sept 2022 - Present)*

Relevant Courses

• Linear Algebra • Graph Algorithms • Probability and Statistics • Number theory and Cryptography • Optimization techniques • Stochastic Processes • Advanced linear algebra • Financial Mathematics • Mathematical foundations for ML • Mathematical Modeling in Image Processing • Introduction to CS • Data structures and algorithms • Theory of computing • Design and Analysis of Algorithms • Database Management Systems • Computer Networks • Strategic Management • Enterprise Risk Management