

NANDINI KODALI

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Education

Mahindra University, Hyderabad
BTech - Computation and Mathematics

(2020 - Present)

Projects

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

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

Youtube Data Analysis:

(Ongoing)

- Built a data lake in Amazon S3, Glue Crawler and Catalog
- Analyzed data using SQL
- Aim: Analyze the trending videos, their categories. This would help one ideate their youtube campaign.

AI Enhanced Risk Assessment Framework for Small Businesses:

(Ongoing)

- Aim: Develop AI enhanced risk assessment framework to implement sophisticated risk management strategies.

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)*
- Student ambassador: *(Sept 2022 - Present)*
NVIDIA AI Technology Center (Technology: RAPIDS)
- University Merit Scholarship (AY 2021-2022, AY 2022-2023)
- Vice President: University Mathematics Society *(Sept 2022 - Present)*

Relevant Courses

Graph Algorithms • Probability and Statistics • Number theory and Cryptography • Optimization techniques • Financial Mathematics • Mathematical foundations for ML • Mathematical Modeling in Image Processing • Data structures and algorithms • Database Management Systems • Deep Learning • Quantum Computing • Strategic Management • Enterprise Risk Management