

# NANDINI KODALI

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- Hyderabad, India

## Education

**Mahindra Ecole Centrale, Mahindra University**

*(2020 - Present)*

BTech - Computation and Mathematics

Grade Level: 7th Semester

## Projects

**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.

**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

**Customer Churn Prediction:**

- Performed Exploratory Data Analysis 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

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

## **Relevant Courses**

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