

Venkata Krishna Sunkara

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Education

Master of Science, Computer Science w/Data Science concentration - New York University, USA

Expected May 2023

GPA: 3.5/4.0

Coursework: Design and analysis of Algorithms, Database Management Systems, Object Oriented Programming, Automata Theory and Compiler Design, Probability and Statistics, Big Data Analytics, Big Data Optimization, Data science using python, Machine Learning using R.

Bachelor of Technology, Computer Science & Engineering- SRM University, India

Apr 2021

GPA: 8.6/10

Coursework: Operating systems, Computer Networks, Analysis of algorithms, Python programming, Big Data, Data Mining, Data Science with Python, Machine learning using python, C programming, Compiler design.

Projects

American Hospital Database Management System (2021)

Sep 2021- Nov 2021

- This is a web-based application built with Python Streamlit (Data science framework) and PostgreSQL database.
- The goal of the project is to implement a web-based application where patients can see the hospitals or doctors nearby.

**Price Optimization (2021)
2022**

Nov 2021– Jan

- Using previous sales data to estimate the cost of different food items in a café.
- Analyzing the dataset using data visualization libraries of Python: matplotlib and seaborn.
- Estimated the price elasticity for different products using ordinary least square method.

Superstore Sales Prediction (2021)

Sep 2021–Nov 2021

- Utilizing previous sales data to predict future sales for inventory management and supply chain issues.
- Cleaning and performing exploratory data analysis on the dataset.
- Forecasting the sales using FB Prophet and ARIMA models.

Research Work

Machine learning concept based prognostic approach for customer churn rate in telecom sector

- Publication: Springer
- Conference: International Conference on Sustainable Expert Systems (ICSES 2020)

Skills and Languages

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- **Languages:** Python, Java, C#, R, HTML
 - **Platforms:** MySQL, MongoDB (NoSQL), PostgreSQL, Android Studio, PowerBI, Tableau, MATLAB
 - **Packages:** Pandas, NumPy, SciPy, Matplotlib, Seaborn, Scikit Learn, TensorFlow, Keras

Certifications

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- DataCamp Data Scientist Certification: 21 modules, 4 projects.
 - DataCamp Big Data with Pyspark: 4 modules

Sep 2021 – Dec 2021
Expected by April 2022