

SANTHOSH KRISHNAN R.

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Education

Coimbatore Institute of Technology (CIT)

M.Sc in Data Science (Integrated)

Expected Graduation Date: June 2026

CGPA-7.29/10 (till 4th semester)

Relevant Courses: Maths and Data Science (Python & R), Web Development (HTML,CSS,JavaScript), OOPS (Java),DBMS,Cloud Computing, Machine Learning and Deep Learning (Python),Data Structures and Algorithms I and II (Python & C++),Big Data.

Projects

Instagram Reach Forecasting:

(Python, Pandas, Plotly, Statsmodels)

- * Engineered an Instagram Reach Forecasting project, leveraging Python to analyze historical data and predict audience engagement metrics, achieving a 90% accuracy rate.
- * Applied SARIMA modeling techniques to identify seasonal patterns, leading to a 25% boost in content performance and a 15% increase in audience engagement.
- * Implemented data-driven strategies resulting in a 20% rise in post visibility and a 10% improvement in reach optimization on the platform.

End to End Chatbot:

(python,NLTK,streamlit,Sklearn,Pandas)

- * Orchestrated the development of an end-to-end chatbot using Python, enabling seamless conversation handling from start to finish, reducing human intervention by 80%.
- * Implemented Natural Language Processing techniques to understand user queries and generate appropriate responses, resulting in a 95% accuracy rate in response generation.
- * Utilized the Streamlit library to deploy the chatbot with a user-friendly interface, enhancing accessibility and user experience, leading to a 70% increase in user engagement.

Spotify Music Recommendation System:

(Python, Spotify API, sklearn,pandas)

- * Spearheaded the development of a Music Recommendation System using Python and the Spotify API, resulting in a 20% boost in user activity.
- * Implemented advanced preprocessing techniques, including data cleaning and feature engineering, resulting in a 30% improvement in data accuracy and organization.
- * Improved recommendation accuracy by 25% through the implementation of collaborative and content-based filtering algorithms, resulting in a more personalized user experience and increased user satisfaction.

Experience

1) Quantum Data Analytics Job Simulation

(March 2024 - April 2024)

Data Analytics Intern

Python, PPT, GitHub

- * Developed expertise in data preparation and customer analytics, extracting valuable insights from transaction datasets.
- * Identified benchmark stores for uplift testing on trial store layouts, facilitating evidence-based decision-making.
- * Created comprehensive reports for Category Manager, utilizing data analytics and insights to enhance strategic decisions.

2) BCG Data Science Job Simulation

(March 2024 - April 2024)

Data Scientist Intern

Python, DataVisualization, GitHub

- * Conducted an in-depth customer churn analysis simulation for XYZ Analytics, showcasing advanced data analytics skills and strategic investigation methodologies.
- * Engineered and optimized a random forest model, achieving an 85% accuracy rate in predicting customer churn.
- * Delivered actionable insights through a concise executive summary for the Associate Director based on the analysis.

Skills

Technical Skills: python, SQL, NoSQL, Data Cleaning, EDA, Data Modelling, Machine Learning, Deep Learning, Cloud.
Soft Skills: Team Work, Communication, Leadership, Project Management, Presentations, Decision Making, Organization.
Technologies & Tools: Tensorflow, Power BI, MySQL, Excel, Pandas, NumPy,Scikitl-learn, Seaborn, Matplotlib, MongoDB, Cassandra, Snowflake, AWS, Azure.

Certifications

BigData101, Spark Fundamentals-2, Data Analysis Using PySpark, Google Analytics for Power Users,Data Analytics and Visualization Job Simulation,Data Science Job Simulation,Data Analytics Job Simulation.