E-mail: poluruchaithanya@gmail.com Poluru.Chaithanya
Ph. No: +91–7799671019 DataScientist/ML/AI

ProfessionalSummary:

- ✞ Completed foundational training in Data Science, Machine Learning and AI, with hands-on experience through academic projects.
- ✞ Strong understanding of Machine Learning workflows, focused onenhancing model efficiency and accuracy.
- ✞ Proficient in Python and key libraries for data science, machine learning and AI.
- ✞ Solid foundation in statistical analysis and its applications in data science.
- ✞ Experienced with data cleaning, exploratory data analysis, and detecting data inconsistencies.
- ✞ Knowledgeable in machine learning algorithms, including regression, decision trees, and ensemble methods.
- ✞ Understanding of clustering techniques such as K-means and hierarchical clustering.
- ✞ Familiar with predictive modeling techniques, including linear and logistic regression.
- ✞ Experience in AI models and techniques, including text generation, imagesynthesis, and applications using transformer models.

Technical Skills:
Python3, MySQL, Statistics and Math, Explore Data
AnalysisMachine Learning :Regression, Classification,
Clustering.
TOOL: Jupyter Notebook, Spyder

Education Qualification : I am pursuing a B.Tech degree in Data Science and AI from N.B.K.R Institute of Science & Technology, with an anticipated graduation year of 2025 and a current GPAof 7.4.

WORKING EXPERIANCE :
Project : Estimated product price

predictionDesignation: ML Engineer

Business Problem: Panasonic aims to optimize its supply chain by reducing costs and maintaining service levels. To achieve this, they require a comprehensive and regularly updated dataset encompassing material costs, supplier details, market trends, and demand patterns. Building predictive models using machine learning algorithms, with careful feature engineeringand selection, is essential to accurately forecast material costs and enhance supply chain performance.

Usage Tools: VsCode , JupyterNotebook, Sk-learn,MySql ,Random,Forest Responsibilities:

- Client Collaboration: Regularly interact with the client to understand the business problemin-depth and gain insights into the data provided.

- Data Transformation: Preprocess raw data to meet machine learning model assumptions,ensuring data consistency and quality.
- Feature Selection: Identify critical variables essential for accurate and efficient predictivemodeling.
- Data Cleaning & EDA: Address missing values, identify duplicates, detect outliers, andperform exploratory data analysis (EDA) on numerical and categorical data, including visualizing correlations between features.
- Model Lifecycle Management: Implement comprehensive model management practicesacross the modeling lifecycle to optimize accuracy and performance.

Project Name: Ecommerce Sentiment Analysis for Sales and Customer Satisfaction

Business Problem: Target is interested in understanding and predicting public sentiment related toits products and services. The goal is to use sentiment analysis to assess the impact of customer sentiment on sales projections and customer satisfaction, regardless of the specific social media platform or data source.

Usage Tools:Python and JupyterNotebook,Vs_code,TensorFlow,BERT for Sentiment AnalysisResponsibility:

- To understand the Business problem and interact with the client on regular basis to getmore and deep insight of the data shared by the client.
- Implement text cleaning and standardization to ensure the collected data is free from noiseand irrelevant content. This step ensures that only informative content influences sentiment analysis.
- Transform text data into numerical representations using techniques like TF-IDF or WordEmbeddings. This numeric representation empowers machine learning Apply deep
  learning models for sentiment analysis. use models BERT and LSTM to analyze and interpret the nuanced emotions expressed in and reviews. Determine the overall sentimentof customers towards Target's products and services.
- Train and evaluate sentiment analysis models using appropriate evaluation metrics (e.g.,
  F1score, ROC AUC). Ensure the models accurately capture sentiment and predict itsimpact