

# NEELAM VENKATA SIVA CHANDU

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## EDUCATION

<b>B.Tech in Chemical Engineering</b> , National Institute Of Technology Calicut CGPA: 7.28/10.0	2020-2024
<b>Intermediate (MPC)</b> , Sri Chaitanya Junior College, Vijayawada CGPA: 9.61/10.0	2017-2019

## SKILLS

<b>Programming Languages</b>	Python, C, HTML, CSS
<b>Frameworks/Libraries</b>	Bootstrap, Flask, LangChain, NumPy, Pandas, scikit-learn, TensorFlow
<b>Databases/ CS Fundamentals</b>	MySQL, SQLite, DBMS, OOPs, CN
<b>Data visualization Tools/Libraries</b>	Power BI, Excel, Matplotlib, Seaborn
<b>Technical skills</b>	Machine Learning, Deep Learning, Generative AI, Statistical Analysis, Prompt Engineering, Exploratory Data Analysis, NLP.
<b>Certifications</b>	Generative AI (Microsoft), Python (NPTEL), ML, DL, NLP, Prompt engineering, Agile development (Infosys), Data science (IBM)
<b>Languages Known</b>	Telugu, English, Hindi

## EXPERIENCE

<b>Infosys   Artificial Intelligence Intern   Remote</b>	Sep 2024 - Dec 2024
<ul style="list-style-type: none"><li>Engineered an ML-driven cyberbullying detection system using ensemble algorithms (Random Forest, SVM, Gradient Boosting), achieving 94 percent accuracy.</li><li>Optimized text preprocessing pipelines using NLP techniques (tokenization, TF-IDF) for feature extraction.</li><li>Deployed a user-friendly frontend with Flask to visualize real-time predictions and analytics.</li></ul>	

## PROJECTS

<b>Prediction of sulfur content in crude oil by using machine learning techniques.</b>	Aug 2023 - Dec 2023
<ul style="list-style-type: none"><li>Developed a machine learning model using advanced data engineering techniques for data cleaning and analysis.</li><li>Implemented ensemble models, achieving 97.5 percent accuracy with XGBoost.</li><li>Submitted the results in a research paper to Petroleum Science and Technology. (Taylor and Francis)</li></ul>	
<b>MasterQuery App.</b>	Mar 2024 - Apr 2024
<ul style="list-style-type: none"><li>Architected an LLM-powered app using Google Gemini Pro and LangChain, converting natural language to SQL queries with 92 percent query accuracy.</li><li>Utilized Streamlit to create a user-friendly interface.</li></ul>	
<b>Sales Insights.</b>	Sep 2023 - Oct 2023
<ul style="list-style-type: none"><li>Designed a Power BI dashboard to understand goods and sales trends.</li><li>Used SQL server to retrieve and update the data.</li><li>The final dashboard was effective at displaying the sales trends of an Organization, allowing users to understand the data and make informed decisions.</li></ul>	

## ACHIEVEMENTS

- Five-star coder in Python and SQL on HackerRank.
- Foundation for Excellence Scholar (JEE Main 97.64 percentile)
- Solved 500+ problems across Leetcode and HackerRank.