

NEELAM VENKATA SIVA CHANDU

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EDUCATION

National Institute of Technology, Calicut

B.Tech in Chemical Engineering

Dec 2020 - May 2024

CGPA: 7.28/10.0

Sri Chaitanya Junior College, Vijayawada

Senior Secondary (MPC)

2017 - 2019

CGPA: 9.61/10.0

EXPERIENCE

Infosys | Artificial Intelligence Intern | Remote

Sep 2024 - Dec 2024

- Engineered an ML-driven **cyberbullying detection system** using ensemble algorithms (Random Forest, SVM, Gradient Boosting), achieving **94% accuracy**.
- Optimized text preprocessing pipelines using NLP techniques (**tokenization, TF-IDF**) for feature extraction.
- Deployed a user-friendly frontend with **Flask** to visualize real-time predictions and analytics.

PROJECTS

Prediction of Sulfur Content in Crude Oil Using Machine Learning

Aug 2023 - Dec 2023

- Developed a machine learning model using advanced data engineering techniques for data cleaning and analysis.
- Implemented ensemble models, achieving **97.5% accuracy** with **XGBoost**.
- Submitted results in a research paper to **Petroleum Science and Technology** (Taylor & Francis).

MasterQuery App - Generative AI for SQL Automation

Mar 2024 - Apr 2024

- Architected an **LLM-powered app** using **Google Gemini Pro** and **LangChain**, converting natural language to SQL queries with **96% query accuracy**.
- Utilized **Streamlit** to create a user-friendly interface.

Sales Insights

Sep 2023 - Oct 2023

- Designed a **Power BI dashboard** to analyze goods and sales trends.
- Used **SQL Server** to retrieve and update the data.
- Created an interactive dashboard to help businesses understand sales trends and make informed decisions.

SKILLS

Programming Languages

Python, C, HTML, CSS

Frameworks/Libraries

Bootstrap, Flask, LangChain, NumPy, Pandas, scikit-learn, TensorFlow

Databases

MySQL, SQLite

CS Fundamentals

DBMS, OOPs, Computer Networks

Data Visualization

Power BI, Excel, Matplotlib, Seaborn

Technical Skills

Machine Learning, Deep Learning, Generative AI, Statistical Analysis, Prompt Engineering, Exploratory Data Analysis, NLP

Certifications

Generative AI (Microsoft), Python (NPTEL), ML, DL, NLP,

Prompt Engineering, Agile Development (Infosys), Data Science (IBM)

Languages Known

Telugu, English, Hindi

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.