

Sai Lohitaksh Reddy D

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Academic Qualification

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY

BE, CSE. GPA-7.87

Patiala, India

2020-Present

KRISHNAMURTHY JUNIOR COLLEGE

SSC, Class XII. Percentage - 98

Hyderabad, India

2018 – 2020

GITANJALI SCHOOL

ICSE, Class X. Percentage - 92

Hyderabad, India

2017-2018

Work Experience

Data Scientist -

January, 2024 - June, 2024

Ripik.AI

Remote

- Collaborated with cross-functional teams to integrate data science scripts into backend systems, enhancing operational efficiency.
- Developed tailored data science scripts for **intrusion detection**, meeting specific client requirements and bolstering security by cutting down human error by 30%.
- Authored **automation scripts** for converting unstructured text to structured data, optimizing data processing operations.
- Analyzed over 1TB of data to construct custom datasets for specific **model training**, enhancing the precision and effectiveness of predictive models.
- Technology Stack - **Python, Tensorflow, Jupyter Notebook, Linux, Excel, Git, AWS**

Academic Achievements

- Secured admission to **Amazon ML Summer School 2023**.
- Achieved an **A grade** in the course of **Machine Learning - TIET, Patiala**.
- Demonstrated exceptional skills in **Data Science** and **Machine Learning** by achieving a top 20 ranking in a university-wide **Kaggle hackathon**.

Projects

AutoStreamML -

June, 2023

- Streamlined data-driven decision-making through AutoStreamML, integrating advanced analytics capabilities, easy dataset uploading, automated **exploratory data analysis**, and accurate **model predictions** achieved via PyCaret-based training.
- Expedited **model selection** process by 90% with the streamlined workflow, automating **evaluation** of multiple **machine learning** models, and enabling efficient deployment of the best-performing model.
- Technology Stack - **Python, Pycaret, Streamlit**

Stand-up Comedy Transcripts Analysis using NLP -

February, 2023

- Created a **Natural Language Processing** project that involves analyzing transcripts of **10+ stand-up comedians** and identifying similarities and differences in their style of comedy.
- Showcased the application of natural language processing techniques for **text analysis and generation**, resulting in a **success rate of 25%** for **generating meaningful sentences**.
- Technology Stack - **Python, Jupyter Notebook, NLTK**

Accident Rate Visualisation -

December, 2022

- Designed a **Data Science** project to provide an interactive and comprehensive representation of over **50000 entries** of **accident data** in the **United States**.
- Aimed at aiding decision making and analysis, the project proposes achieving a **significant reduction of 75%** in various types of accidents by analyzing the charts.
- Technology Stack - **R, Tableau, Excel**

Courses

- **Amazon ML Summer School** - Amazon Science September, 2023
- **Advanced Computer Vision with TensorFlow** - DeepLearning.AI May, 2023
- **Natural Language Processing** - DeepLearning.AI April, 2023
- **R Programming** - John Hopkins University/Coursera December, 2022
- **Exploratory Data Analysis** - John Hopkins University/Coursera November, 2022

Skills

Technical: Machine Learning, Data Science, R, Python, Artificial Intelligence, NLP, Tableau, C/C++, Dart, Flutter, SQL, Cloud Computing, OpenGL

Soft Skills: Managing Diversity, Effective Communication, Strong work ethic

Extra-Curricular Activities: Member of **Pratigya Abhiyan NGO**, responsible for creating educational videos and covering events.