Aditya Kumar Singh

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SUMMARY

An adaptable Computer Science student with a knack for problem-solving and a passion for innovation. Armed with a strong foundation in coding and a deep interest in technology, I am eager to tackle challenges head-on, collaborate with diverse teams, and contribute to groundbreaking projects that push the boundaries of possibility.

SKILLS

Python	Pandas	Machine Learning
DBMS	NumPy	
SQL	Sentimental Analysis	

PROJECTS

Twitter Sentimental Analysis
Developed a Natural Language Processing (NLP) and machine learning-based system to classify Twitter data into positive, negative, or neutral sentiments. Utilized the Kaggle to collect tweets and performed comprehensive text preprocessing, stopword removal, and stemming. Employed TF-IDF vectorization to convert text data into numerical format, followed by training models such as Logistic Regression. Achieved model evaluation metrics including accuracy, precision, recall.

Network Packet Analyzer
Network Packet Analyzer is a Python-based network sniffer designed to capture and analyze network packets up to Layer 4 of the OSI model. Leveraging the Socket API, this tool offers an efficient and versatile solution for monitoring network traffic. It supports various applications including debugging, security analysis, and network optimization.

EDUCATION

Bachelor of Technology (2021 -2025)

with specialization in Data Science
Pranveer Singh Institute of Technology

Intermediate July(2021)
Swaraj India Public School

High School July(2019)
Swaraj India Public School

CERTIFICATIONS

Database Management System, Infosys

Programming Fundamentals Using Python, Infosys

Data Science with Python (In collaboration with IIT Roorkee)