DANUSH SV

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SUMMARY

Driven **data scientist** who has a strong desire to develop intelligent systems and gain insights from **data analysis**. Adept at using **AI and machine learning techniques** to solve complex problems and streamline workflows. Active exploration of the intersection of **data science and software development** to deliver scalable solutions that create measurable impact.

EDUCATION

Shiv Nadar University Chennai, B.Tech. Computer Science and Engineering 2026

Course Work: Data Structures and Algorithms, ML, AI, Software Development, DBMS, Cloud Computing

SKILLS

Programming Languages: Python, SQL, R, Java

AI & Machine Learning: Classification & Regression Models, Exploratory Data Analysis, Deep Learning, Gen-AI, Computer Vision, Natural Language Processing

Frameworks / Libraries : PyTorch, Streamlit, CUDA, LangChain, ChatGroq, Scikit-Learn, Transformers, NumPy, Pandas, Matplotlib, OpenCV

Tools & Technologies: MongoDB, MySQL, Azure API, Clever Cloud , PowerBi, Unix/Linux Environments, Tableau

Soft Skills: Leadership, Communication, Team Player, Adaptability, Time Management, Problem Solving

PROJECTS

Telehealth AI Diagnostic Platform - RemoteCura [ ]

- Developed an AI-driven telehealth platform featuring a chatbot with voice and text-based symptom inputs and predictive models for medical image classification, enabling comprehensive disease detection across specialties.
- **Tools Used:** Python, PyTorch, Streamlit, CUDA, Transformers, Scikit-Learn

Museum Ticket Chatbot [ ]

- Developed a chatbot-powered ticketing system enabling seamless museum ticket booking and cancellation with real-time SQL database connectivity, multilingual support in 8 languages, and data analytics for user insights.
- **Tools Used:** Python, Streamlit, LangChain, ChatGroq, SQLAlchemy, Clever Cloud, Azure API

DDoS Attack Detection System [ ]

- Analyzed web server logs to identify DDoS attack patterns, utilizing Pandas and NumPy for data preprocessing and K-means clustering for anomaly detection. Evaluated clustering performance with the silhouette score.
- **Tools Used:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Pickle

Steganography Tool [ ]

- Developed a Python script for embedding and extracting data within PNG images using the least significant bit (LSB) method, with optional encryption for secure data handling.
- **Tools Used:** Python, Tkinter, NumPy, PIL

CERTIFICATIONS

- **Udemy: The Complete Python Pro Bootcamp Professional Certification**
- **Udemy: Machine Learning Professional Certification**
- **NPTEL: Responsible & Safe AI Systems Professional Certification**
- **NPTEL: Edge Computing Professional Certification**