Danush SV

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Education

Shiv Nadar University Chennai, B.Tech. Computer Science and Engineering	2026
Vani Vidyalaya School Chennai	2022

- Class 10 Grade (CBSE): 459/500 - 91.8%
- Class 12 Grade (CBSE): 488/600 - 81.4%

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 diagnostic domains.
- **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

Positions of Responsibility

Student Pupil Leader (Headboy), Vani Vidyalaya School Chennai	June 2021-June 2022

- Oversaw events, assisted classmates with academics and extracurricular activities, collaborated with staff to enhance student life, and advocated for the student body to foster a welcoming environment.

Club Head of Theatre Club, Shiv Nadar University Chennai

- Organized events such as Freshers' Day and the New Year celebration, overseeing operations and coordinating with staff and students to ensure smooth execution.