

# DANUSH SV

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## SUMMARY

Driven **Software Engineer and Data Scientist** with a strong passion for building intelligent, scalable systems and extracting actionable insights from data. Open to learning and taking on diverse roles, while skilled in AI, machine learning, and modern software development practices to solve complex problems and optimize workflows.

## EDUCATION

**Shiv Nadar University Chennai**, B.Tech. Computer Science and Engineering September 2022 – July 2026  
*Course Work:* Data Structures and Algorithms, ML, DL, AI, Software Development, DBMS, Cloud Computing

## EXPERIENCE

**Data Science Intern – Promantus India Private Limited** 🌐 June 2025 – July 2025

- Contributed to an AI-powered Voice of Customers (VoC) platform that analyzed feedback from surveys, call logs, and open text to extract insights and drive service improvements using LLM.
- Engineered feedback pipelines to process structured/unstructured data and developed prompt-based modules for sentiment extraction, categorization, and redundancy detection, reducing manual analysis time by **40%**.
- Tools Used:** Python, Pandas, LangChain, FastAPI, Azure Blob Storage, Transformers, spaCy, Prompt Engineering, Excel Automation

**Software Engineer Intern – InsightQuest Business Advisory Solutions** 🌐 July 2025 – September 2025

- Collaborating with the product development team to engineer scalable modules across both frontend and backend, including reusable React components and secure FastAPI endpoints integrated with PostgreSQL.
- Contributed to the setup of the CI / CD pipeline using GitHub Actions and Docker, reducing the deployment time and improving the reliability of the release by approximately **25%**.
- Tools Used:** React, JavaScript, Python, FastAPI, PostgreSQL, Docker, Git, GitHub Actions, Postman

## PROJECTS

**Telehealth AI Diagnostic Platform – RemoteCura** 🌐

- Developed an AI-powered telehealth platform with a chatbot for voice/text symptom input and predictive image-based diagnosis, enabling multi-specialty disease detection.
- Tools Used:** Python, PyTorch, Streamlit, CUDA, Transformers, Scikit-learn

**Museum Ticket Chatbot** 🌐

- Built a multilingual chatbot-based system for museum ticketing with SQL connectivity and analytics, supporting real-time booking, cancelation, and user insights.
- Tools Used:** Python, Streamlit, LangChain, ChatGrok, SQLAlchemy, Clever Cloud, Azure API

**DDoS Attack Detection System** 🌐

- Created an anomaly detection system using K-Means clustering in server logs to identify DDoS patterns. Used the silhouette score to evaluate cluster quality.
- Tools Used:** Python, Pandas, NumPy, Scikit-learn, Matplotlib, Pickle

## SKILLS

**Web & Software Development:** JavaScript, React, FastAPI, Docker, Git, GitHub Actions, Postman

**Databases, Cloud & Analytics:** Azure (API & Blob), MongoDB, MySQL, PostgreSQL, PowerBI, Tableau

**Machine Learning & AI:** Deep Learning, NLP, Computer Vision, MLOps, Prompt Engineering

**Frameworks & Libraries:** PyTorch, Transformers, Hugging Face, LangChain, Scikit-learn, Streamlit

**Programming Languages:** Python, SQL, Java

## AWARDS AND CERTIFICATIONS

- TOP 15:** HackSky – Pan India Hackathon'25 – Kaspersky & MIT Bengaluru
- TOP 10:** BOLT 2.0 Hackathon'24 – Cisco, Intel and the IEEE Society
- Udemy:** The Complete Python Pro Bootcamp Professional Certification
- Udemy:** Machine Learning Professional Certification
- Postman:** API Fundamentals Student Expert Certification