Srilekha S

Email: srilekha8503@gmail.com, **LinkedIn: www.linkedin.com/in/srilekha-s-sekar146b69202/**

Phone No.: +91 9962658588, **Github : https://github.com/Srilekha-sekar**

EDUCATION

Hindustan Institute of Technology and Science, Padur **2024 - 2026**

M. TECH, Data Science and Engineering.

Sri Venkateswaraa College of Technology, Sriperumbudur **2020 - 2024**

B. TECH, Artificial Intelligence and Data Science, 8.63 CGPA

SKILLS

- Python
- C
- Micrsoft Power BI
- Machine Learning
- Data Analysis
- Web Development

INTERNSHIPS

Atlanwa **Sept – Nov 2024**

Expertise in Data Science, Machine Learning, Artificial Intelligence

- Developed expertise in machine learning, data science, and artificial intelligence techniques.
- Engaged in hands-on projects involving advanced data analysis and predictive modeling.

Open Weaver **Aug 2023**

Generative AI Intern

- Designed and developed a blog writing website with content generation functionality in Open Weaver platform

Techno Hacks **Aug 2023**

Machine Learning Intern

- Developed multiple projects using Python, scikit-learn, and several packages.
- Developed data science and image processing projects, and used Power BI tools for data analysis and performed data loading, modeling, relationship, and several actions.

RESEARCH PUBLICATION

1. SynerChain: Orchestrating Symboitic Supply Network Dynamics for Holistic Optimization and Sustainable Growth. | Paper ID: 16349.

- **Published On:** 2024-04-04
- **Published In:** Volume 6, Issue 2, March-April 2024

2. Comparative Evaluation of K-Means, Hierarchical Clustering, and DBSCAN in Blood Donor Segmentation. | Paper ID : 26755.

- **Published On:** 2024-08-30
- **Published In:** Volume 6, Issue 4, July-August 2024

ACHIEVEMENTS

1. WINNER | SMART INDIA HACKATHON | PS. NO : SH1018 **2022**

Project: Analytics tool to provide detailed reports on the grading difference between NQM and SQM.

2. FINALIST | VOID HACKS (5.0) **2023**

Project: Medicinal Plants Classification.

Led a high-performing team to secure 2nd place in the selection process, earning the opportunity to participate as a finalist.

PROJECTS

1. MEDICINAL PLANT CLASSIFICATION

Technology Stack : Deep Learning, CNN, ResNet50.

- Developed an application using Deep Learning and CNN with ResNet50 architecture for classifying medicinal plants.

2. BLOOD DONATION SYSTEM:

Technology Stack: Machine Learning, K - Means Clustering, Data Management.

- Created a K – Means model to cluster individuals with similar blood types based on factors such as blood group, blood pressure, and location.
- Implemented a feature to identify and return nearby donors based on location input.
- Developed an integrated Excel-Based system for registering and managing donor details.

3. DIABETES PREDICTION MODEL:

Technology Stack: Data Science, Machine Learning, Power BI.

- Designed a predictive model incorporating insulin age, gulcose, BMI, skin thickness, and blood pressure to assess diabetes susceptibility.
- Utilized PowerBI to create a dashboard analyzing which age group or blood pressure category is most affected.

CERTIFICATIONS

- Data Analytics - ICT Academy
- Programming Essentials in Python – CISCO
- Python Zero to Hero - Guvi
- Deep Learning using Pytorch – Guvi
- Machine Learning - Guvi
- Artificial Intelligence - Pantech E Learning
- Machine Learning and Python – DEVTOWN
- Full Stack with Python Programming - Guvi
- C programming - Argyn Technologies