Mucharla Sreelekha

Hyderabad, Telangana | +91 7659032531 | sreelekhaoff@gmail.com

www.linkedin.com/in/mucharla-sreelekha

**SKILLS**

* **Programming Languages:** Python, Bash, MySQL
* **Machine Learning & AI:** TensorFlow, PyTorch, Scikit-Learn
* **Web Technologies:** HTML, CSS, JavaScript, Flask
* **Tools:** VS Code, GitHub
* **Others:** AWS, Linux

**Experience**

**INFOSYS SPRINGBOARD 5.0 — INTERN Nov 2024 – Present**

**Role: *Team Leader & Developer***

* Leading a team of 4 and actively developing a web-based application for **real-time weather and air quality monitoring**.
* Designing and implementing core functionalities, including weather forecasts and **Air Quality Index (AQI) tracking**, using **Flask** and **Python**.
* Conducting thorough testing and debugging to enhance application performance and user experience.

**PROJECTS**

**WEATHER AND AIR QUALITY MONITORING APPLICATION [ collab ] Nov 2024 – Present**

* Developing a web application to provide real-time weather and air quality data using **OpenWeatherMap API**, with dynamic visualizations via **Chart.js** and Plotly.
* Implementing a **carbon footprint tracker** to calculate and display environmental impact trends, leveraging **Python (Pandas)** for data processing.
* **Integrating REST APIs** for dynamic data retrieval and **MySQL** for database management.
* Designing an intuitive and responsive **community platform** for user engagement on environmental topics, enabling posts, comments, using **HTML, CSS, JavaScript**, and admin moderation with **Flask** and **MySQL**.

**FACE RECOGNITION SYSTEM using PYTHON [ collab ] June 2024**

* **Developed a real-time face recognition model** using machine learning, trained on a dataset of previously collected facial images.
* Used **TensorFlow** to train the model**.**

**EDUCATIONAL QUALIFICATIONS**

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| --- | --- | --- | --- | --- |
| **Degree** | **Specialization** | **Institute** | **Year** | **Percentage/CGPA** |
| B. Tech | *Computer Science & Engineering (Cyber Security)* | Sri Indu College of Engineering and Technology | 2022-present | 8.25 |
| Inter | *Physics, Chemistry, & Mathematics* | Narayana Junior College | 2022 | 82.9 |
| SSC | - | Krishnaveni Talent School | 2020 | 10.0 |