Sumukh Acharya

Bengaluru, Karnataka
+91 9972454072
sumukh.acharya@gmail.com

Computer Science Engineering Student

GitHub | LinkedIn
Personal Website - https://sumukh-acharya.vercel.app/

EXPERIENCE

CODMAV(PES), Bangalore — *INTERN*

JUNE 2024 - AUGUST 2024

Internship at the Center focusing on Data Modelling and Visualization.

- Worked on a machine learning project titled 'Predictive Analytics for Early Lung Cancer Risk Using Machine Learning'.
- Responsible for dataset preprocessing, applying feature selection algorithms, implementing machine learning models, and visualizing results through tables and graphs, while gaining a deep understanding of machine learning concepts for successful project implementation.
- We have written and published our paper on this project in the IEEE Conference.

PROJECTS

DOFS - Distributed File Orchestration and Synchronization for Linux
- Designed and implemented a multi-client file transfer system using a client-server model in Python. Ensured data integrity and security through directory isolation and robust error handling.

Lung Cancer ML - Predictive Analytics for Early Lung Cancer Risk Using Machine Learning
- Developed a machine learning model for early lung cancer risk prediction using data preprocessing, feature selection, and model implementation. Applied XGBoost, CatBoost, SVM, KNN, and an Ensemble Model, visualizing results through tables and graphs using Python.

Streamly - Streamly Content Performance Analysis
- Analyzed content performance data of Streamly to optimize release strategy. Employed predictive models like Multiple Linear Regression and Random Forest Regression.

RideWave - RideWave Fare Forecasting
- Analyzed data to implement dynamic pricing for RideWave. Used predictive models such as XGBoost and SARIMAX to extract insights.

EDUCATION

CBSE Class 10 (2009-2020)

Sri Kumaran Children's Home

PUC Class 12 (2020-2022)

BASE PU College

B-Tech CSE (2022-2026)

PES University

SKILLS

Python, C, pandas, numpy, scikit-learn, tensorflow, Blender, Kafka, Hadoop, Spark, Windows, Linux, MS Office, MySQL, VS Code, Git, Github, HTML, CSS, JavaScript, NextJS, React

ACHIEVEMENTS

Publication of my Research Paper on Lung Cancer ML.

Learn Photorealism with Blender 4- week Course Certificate.

Placed Top-10 in Data Analytics Hackathon.

Placed Top-10 in Machine Learning Hackathon.

LANGUAGES

English, Konkani, Kannada, Hindi