SENAJITH S R

Portfolio | SENAJITHSRS@GMAIL.COM | Linkedin | Github | 8248095260

EDUCATION

SRI VENKATESWARA COLLEGE OF ENGINEERING

B.Tech Artificial Intelligence and Data Science

Chennai
Cum. GPA: 8.8

SKILLS

Python
SQL
HTML
CSS
Bootstrap
Machine learning
Deep learning
Data Visualization

TOOLS

MySQL
MS Excel

ACHIEVEMENTS

Finalist in **Analytics Showdown**

ACTIVITIES

- IIT-Madras Object detection and image segmentation
- IIT-Madras Make your own DALL-E
- Participated in Smart India Hackathon
- Participated in 24 hours Hackathon | FODSE and IETE of SVCE

POSITION OF RESPONSIBILITY

ECELL-SVCE | MARKETING ASSOCIATE

Led marketing initiatives and contributed to organizing club events.

EXPERIENCE

IIT-MADRAS PRAVARTAK TECHNOLOGIES | Internship

Individual Income Prediction | Python, Numpy, Pandas, ML Algorithms
Jun 2023 – Aug 2023 | Chennai

- Created a predictive model in Python using pandas, scikit-learn, and seaborn to forecast individual income based on demographic and financial features.
- Applied data preprocessing methods and feature scaling for enhanced model accuracy and used diverse regression algorithms, including Linear Regression, Decision Tree, RandomForest, and SVR.

PROJECTS

COPD SEVERITY ASSESSMENT | PYDUB,LIBROSA,RESNET50

- Developed a multi-class classification model for assessing COPD severity using patients. lung sounds.
- Implemented data preprocesssing, data augmentation and feature extraction for the audio file.
- Leveraged RESNET-50 architecture for training, achieved 90 percent accuracy on the test set.

RESUME HELPER | PYPDF2,STREAMLIT,GOOGLE'S GEMINI | LINK

- Designed and implemented a Resume Helper application using Streamlit and Google's Generative AI (Gemini Pro)
- This tool automatically analyzes resumes, aligns them with job descriptions, and provides personalized recommendations for enhancements, addressing individual user needs.

AVALANCHE PERSON DETECTION | YOLO,PYTHON

- Developed an innovative avalanche rescue system using DJI Matrice 300 RTK drone with AI/ML capabilties
- Integrated Thermal Camera utilized YOLO for person spotting and detection

CERTIFICATIONS

- Python for everybody | COURSERA
- Python | Hackerrank Certified
- Neural network and deep learning | Deeplearning.ai
- Blockchain and its applications | NPTEL