CHENNA SAISANDEEP

Data Science Student

PROFILE

I am a highly organized, positive hardworking individual, who has acquired extensive knowledge in the field of data science and machine learning through various resources like Coursera, Udemy, Kaggle, Hacker rank, Youtube. I am an aspiring Data scientist and coding enthusiast. I like to solve coding challenges on hackerrank, participated in Kaggle competitions.

SKILLS

Statistical Programming
Proficient in Python and machine learning modules like Tensorflow 2.0, Pandas, NumPy, Matplotlib, Sklearn. OpenCV.

Working with Data
Proficient in SQL, familiar with excel and google docs.

Competitive programming
Python data structures and algorithms, Object oriented programming, familiar with modules in python like math, time, pyautogui, itertools, random.

LANGUAGES

English, Telugu(Native language), Hindi

EDUCATION

Chennai Mathematical Institute **Chennai, Tamilnadu**
Bachelor's degree in Mathematics (Hons.) August 2019 – Present

Indian Statistical Institute **Bangalore, Karnataka**
Bachelor's degree in Mathematics (Hons.) July 2019 – May 2022
Aggregate Percentage: 77% (1st Division with Hons.)

Sri Chaitanya Junior College **Hyderabad, Telangana**
Telangana Board of Intermediate Education July 2017 – May 2019
Aggregate Score: 981/1000

EXPERIENCE

Cloudcraftz AI(Kolkata) **May 2023 – Jul 2023**
Data Scientist intern
During my internship, I worked on evaluating the quality of large-scale tabular synthetic data generated by various GAN models using appropriate statistical metrics. I gained valuable experience in explainable AI, effectively explaining complex models such as deep neural networks, boosting and ensemble models. Moreover, I contributed to optimizing the BodhiX web application by enabling multiprocessing, which significantly improved computation times.

ACADEMIC PROJECTS

Effect of Covid-19 lockdown on Air **Sep 2020 – Dec 2020**
Mentor: Prof. Rituparna Sen (ISI, Bangalore)
Analysis of changes in concentration of air pollutants before, during and after Covid-19 lockdown. Given the recorded value of pollutants on a daily basis, we performed hypothesis tests to investigate whether there was any effect of lockdown. Further, we had perceived data of pollution from respondents across the globe and did a comparative study.
Project link: (https://www.isibang.ac.in/~rsen/Stat1old/3.pdf)

Multilayer Perceptron classifier from scratch **Jan 2023**
Developed a binary classification model to distinguish between Besni and Kecimen raisin using a multilayer perceptron model implemented using only Numpy and Pandas. Achieved a precision of nearly 90% on the test set. The project involved preprocessing data and building the neural network architecture, implementing forward and backpropagation algorithms, and optimizing hyperparameters such as learning rate and number of hidden layers.
Project link: (Mulitlayer Perceptron Model)

CONTACT

WEBSITE:
https://chennasaisandeep.github.io/My_Portfolio/

LINKEDIN:
https://www.linkedin.com/in/sai-sandeep-chenna-628ab41a7

EMAIL:
saisandeep.mds2023@gmail.com

CERTIFICATES

Google Data Analytics certificate(LINK)

Complete Data Science Bootcamp (LINK)

Complete Python Pro Bootcamp (LINK)

Fast typing skills – 62WPM (LINK)

ACHIEVEMENTS

MSQMS(ISI) **2023**
All India Rank – 4
Indian Statistical Institute Kolkata and Bangalore Student Fellowship

BMath(ISI) **2019**
All India Rank – 18
Indian Statistical Institute Kolkata and Bangalore Student Fellowship

JEE Mains and Advanced **2019**
All India Rank – 1927 in JEE Advanced and 2143 in JEE Mains

COURSES TAKEN

ACADEMIC COURSES

Probability and Statistics
Statistics 1 (Estimation Theory and Statistical Inference),
Statistics 2 (Multivariate Regression, Linear Models),
Probability 1 (Probability distributions, Random variables, Expectation, WLLN),
Probability 2 (Multivariate distributions, Conditional distributions, CLT)

Mathematics
Linear Algebra, Multivariable Calculus, Vector Calculus.

NON-ACADEMIC COURSES

The Data Science Course 2022: Complete Data Science Bootcamp, Udemy
Statistical methods in python like classification problems, linear regression, cluster analysis, K-means clustering, Basic deep learning etc.

Google Data Analytics Professional Certificate
About Data, Asking right questions to make Data-Driven decisions, Preparing data for Exploration, process data from dirty to clean, Analyze data to answer questions.