Sujan Barama

Boulder, Colorado
+1-7197250098 sujanbarama@gmail.com www.linkedin.com/in/sujanbarama23

EDUCATION

University of Colorado, Boulder, USA **Aug 2021 – May 2023 (expected)**
*Master of science in Data Science - **CGPA - 3.87/4.00*** *Boulder, USA*

Vellore Institute of Technology **June 2016 – August 2020**
*Bachelor of Technology in Electronics and communications - **CPGA - 7.89/10.00*** *Chennai, India*

COURSEWORK

- Data Structures & Algorithms
- Machine Learning
- Data mining
- Database Management System (DBMS)
- Calculus
- Linear Algebra
- Statistical Methods and Applications 2
- Object Oriented Programming
- Probability Distribution, Regression, Hypothesis Testing

TECHNICAL SKILLS

Languages: Python, R, SQL
Frameworks: Pandas, Matplotlib, Seaborn, Scikit Learn, TensorFlow, TidyVerse, Dplyr, Ggplot 2, BeautifulSoup.
Tools: Jupyter Notebook, Anaconda, Visual Studio Code, Google Colabs, R Studio, R Markdown, Microsoft Power BI, Git, MS Office Suite, Blender, Photoshop.

PROJECTS

Analysis of Health Trends with Global Health Expenditure **Aug 2021 - Sep 2021**

- Analyzed trends in various health parameters like diseases, life expectancy, mortality rate, health expenditure per capita and vaccinations in relation to the Global Health Expenditure in R.
- Extensively used Tidyverse, Ggplot2 and Dplyr packages for providing useful insights on data for Analysis and Data Visualization.

Forecasting delivery time of eBay, eBay ML challenge **Sep 2021-Nov 2021**

- Forecasting delivery times of products on eBay by building deep learning models using TensorFlow.

IMDB Sentiment Analysis **Nov 2021 – Dec 2021**

- Stemmed and lemmatized the reviews using Porter Stemmer and WordNet Lemmatizer and removed Stop Words for Data Cleaning over a text file containing corpus of 50,000 records of various movie reviews on IMDB.
- Predicted Sentiment of Reviews using Logistic Regression and SVM with an accuracy of **75 percent** .

Weed Detection Using Image Processing **Nov 2019 – May 2020**

- Designed a robotic weed control system that can capture photos of the plants on the field and can easily detect weed plants using Matlab.

IOT based Air pollution monitoring system **Jan 2020 – May 2020**

- Built a machine that continuously monitors the pollution levels of surroundings.
- Developed a regression based model on Python which conclusively pointed out increased pollution levels in time periods.

Other mini projects

- Neighborhood Segmentation and Clustering, Credit card fraud detection, Google play store analysis.

On going projects

- Auto-wrangler(automated data pre-processing tool), Companion AI

INTERNSHIP

Kaashiv Infotech, Data Science Intern **5 May,2019 -4 June,2019**
Chennai, India

∗ Trained and worked on some real time data science projects using R studio, Tableau and Machine Learning