

Som Sagar

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Inquisitive, energetic computer science student skilled in leadership, with a strong foundation in math, logic, and machine learning. Seeking to leverage solid skills in collaboration, communication, and development as a machine learning engineer.

EDUCATION

Indian Institute Of Information Technology, Kottayam

May 2019 – May 2023

Btech Hons : Computer Science and Engineering - **CGPA : 8.55**

PROJECTS

Legal to Layman Text

Ongoing

Python, Natural Language Processing

- Used word2vec to find words with similar vector and used vader-lexicon match it with words of the same sentiment score

Extracting events influencing anomalous behavior in stock market

Sept 2022

Python, Deep Learning, Natural Language Processing, Statistics

- Used Generative adversarial networks and LSTM with dynamic thresholding to find anomalous behavior in a stock price
- Extracted stock sentiments from financial news headlines to detect variations in a stock price.
- Webscraped financial Op-ed columns and tweets to make a dataset on which NLP was used to detect the cause of anomaly.

Seefood

Aug 2022

Flutter, Tensorflow

- Used NASNetMobile architecture to Image Classify different food items using Tensorflow.
- Web Scrapped nutrition values and images of classified food using Flutter

Learn It

Nov 2021

Flutter, Firebase

- Used Flutter to Develop an E-learning app through which professors can add courses, assignments, chat rooms and have scheduled online classes.
- Used Firebase to authenticate users and store data on courses, users, chat groups.

Boro Map

May 2021

React, MongoDB, MapboxGL

- Developed a Web App using React, MapboxGL and MongoDB in which users can lend/borrow items.
- Used Geolocation API, Mapbox Markers and Directions API to show Users location, distance to the lenders.

Image Editor

Dec 2020

Python, Tkinter, OpenCV

- Developed a graphical interface which uses a machine learning model to detect faces.
- Used OpenCV to make image processing tools which were embedded to the interface.

PUBLICATION

Extracting events influencing anomalous behavior in stock market - A data driven approach using sentiment analysis

In progress

INTERNSHIP

Wathare Infotech Solutions

Dec 2021 – April 2022

Flutter Developer

- Integrated real-time data synchronization using rest API and Postgresql database for back-end connectivity.
- Made and Improved efficiency of widgets like gantt chart, CNC dashboard and increased platform interactivity and efficiency.

Blankcode Private Limited

Jan 2021 – May 2021

Web Developer

- Worked on creating an e-learning website and integrated moodle, payment gateway
- Added user feedback interaction to the website and worked on search engine optimization

Geeksforgeeks

July 2020 – Feb 2021

Technical Content Writer

- Published articles on various web-technologies like Google-amp, JavaScript — Profile Link
- Utilized writing, editing and proofreading skills to produce engaging and error-free content

DaddySanta

Nov 2019 – Feb 2020

Front End Developer

- Designed and improved layouts to meet usability and performance requirements
- Consulted with customers to gather requirements and discuss design choices

TECHNICAL SKILLS

Languages: Python, C, C++, Dart, JavaScript

Developer Tools: Visual Studio Code, Spyder, Jupyter Notebook

Technologies/Frameworks: Tensorflow, Flutter, ReactJS, Bootstrap

Database: MySQL, Firebase

ACHIEVEMENTS / HONOR

- 1st Place in Intra IIITK Hackathon - Hackoona Matata 2021
- AIR 890 in Google Hash Code 2021
- PMSS Scholarship Holder 2019 – 2022

RESEARCH INTERESTS

Reinforcement Learning, Artificial Intelligence, Natural Language Processing, Deep Learning

VOLUNTEER EXPERIENCE

BOLT IOT

Dec 2020 – Feb 2021

Student Partner

- Worked on popularizing the concepts of Internet of things, Machine Learning and business development of the Bolt IoT and ML online video training

Etutor 101

Jun 2021 – July 2021

App Development Tutor

- Educated a group of 20 students on the basic of App development in flutter