

Sumera Sultana
Hyderabad, India
E-Mail: sumera.sultana@mjcollege.ac.in

CAREER OBJECTIVE

An energetic individual, looking for an opportunity to work at reputable organization and continue to build a career under organizations that develop professional skills and lead me with each progression to better career in Computer Science. I offer strong interpersonal skills with thought leadership and integrity, sound communication, and presentation skills, functioning well with an outgoing personality, both independently and in collaboration.

SKILLSET

TECHNICAL

Programming Language: C, C++, Python, Java

Web Technologies: HTML, CSS, Java Script, bootstrap

Database: MySQL

MS-Office tools: PowerPoint, Excel and Word

NON-TECHNICAL

Problem Solving | Communication and Inter-Personal | Hardworking | Critical thinking | Analytical mindset | Adaptability & Flexibility | Organizational | Multi-tasking | Target oriented and Motivated | Team Work | Time Management | Leadership

EDUCATION

Qualification	Institution	Year
M.TECH (CSE)	Muffakham Jah College of Engineering & Technology (Affiliated to Osmania University)	2023
B.E. (IT)	ISL Engineering College (Affiliated to Osmania University)	2021
INTERMEDIATE	ST Ann's junior college	2017
10 th (SSC)	Holy Mary high school	2015

PUBLICATIONS

- **Project Title:** Impact of meteorological conditions on Air Quality Prediction using Deep learning
Year of publication:2023
Journal: Scopus
- **Project Title:** Cyber security framework for spammer detection and fake user identification in OSN
Year of publication:2021
Journal: International Journal of Innovative Research in Computer and Communication Engineering (IRJCCE)

ACADEMIC PROJECTS

- **Impact of meteorological conditions on Air Quality Prediction using Deep learning**
 - Meteorological conditions have a strong influence on air quality and can play an important role in air quality prediction. Our primary objective is to develop a system that determines the impact of meteorological conditions in predicting the air quality.
 - The aim is to employ Artificial Neural Networks(ANN) and obtain the forecast accuracy under different circumstances(PM2.5,PM2.5+meteorological conditions, all factors)
 - To increase the reliability of the model by decreasing the errors and increasing the accuracy, precision and F1 score.
- **Video transcript summarizer using NLP**
 - This project proposes a video summarizing system based on natural language processing (NLP) and Machine Learning to summarize the YouTube video transcripts without losing the key elements.
 - This study aims to shorten the length of the transcript text of the given video.
 - The suggested method involves retrieving transcripts from the video link provided by the user and then summarizing the text by using Hugging Face Transformers and Pipelining.
 - The built model accepts video links and the required summary duration as input from the user and generates a summarized transcript as output
- **Major project on Spammer detection and fake user identification on social networks**
 - Social networking sites engage millions of users around the world. The prominent social networking sites have turned into a target platform for the spammers to disperse a huge amount of irrelevant and deleterious information.
 - Recently, the detection of spammers and identification of fake users on Twitter has become a common area of research in contemporary online social Networks (OSNs).
 - We perform a review of techniques used for detecting spammers on Twitter. Moreover, a taxonomy of the Twitter spam detection approaches is presented that classifies the techniques based on their ability to detect: (i) fake content, (ii) spam based on URL, (iii) spam in trending topics, and (iv) fake users.
 - The presented techniques are also compared based on various features, such as user features, content features, graph features, structure features, and time features.
- **Internship on Doctor patient portal at Pantech Solutions**
- **Text summarization using NLP**
- **Drowsiness alert using machine learning and OpenCV**
 - A new approach towards automobile safety and security with autonomous region based automatic car system is proposed in this concept.
 - We propose three distinct but closely related concepts viz. a Drowsy Driver Detection system and a traffic detection system with external vehicle intrusion avoidance based concept.
 - In recent time's automobile fatigue related crashes have really magnified. In order to minimize these issues, we have incorporated driver alert system by monitoring both the driver's eyes as well as sensing as well as the driver situation based local environment recognition based AI system is proposed.
- **Shopping cart using java**
- **Smart door using IOT**

HOBBIES AND OTHER INTERESTS

Reading quotes, Travelling and Art.

LANGUAGE

English, Hindi

DECLARATION

I Hereby declare that the above-mentioned information is true to best of my knowledge.