SRISHANKA KOTHAKONDA

A Final-year B.Tech Computer Science Engineering student with a strong foundation in software development. Recognized for my dedicated work ethic, leading to the successful completion of multiple projects and internships. I am eager to contribute to a dynamic team and pursue a rewarding career as a software engineer

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github.com/Srishanka25

EDUCATION

B.Tech - Computer Science and Engineering(Data Science)

SR UNIVERSITY - Warangal

2021 - Present, *CGPA-8.51*

INTERMEDIATE - TSBIE

SHIVANI JUNIOR COLLEGE-Hanamkonda

2019 - 2021, *Percentage-95.2*

HIGH SCHOOL -SSC(TS)

TETRAHEDRON MODEL SCHOOL- Huzurabad

2019, *GPA-9.8*

PERSONAL PROJECTS

COVID-19 ANALYSIS USING LDA ALGORITHM BY TOPIC MODELLING (01/2024 - 04/2024)

- This examines COVID-19 textual data to assess the effectiveness of three dimensionality reduction techniques: Non-Negative Matrix Factorization (NMF), Latent Semantic Analysis (LSA), and Latent Dirichlet Allocation (LDA). These techniques aim to enhance understanding of the virus's challenges, debates, and research trends.
- The current research utilizes topic modeling to illuminate the complex themes present in the global conversation about COVID-19. To determine the best method for obtaining these primary themes, we compare and contrast LDA, LSA, and NMF analysis. This study helps researchers prioritize their investigations changed during the course of the pandemic, improve public health communication tactics, and monitor the virus's increasing understanding by identifying the best approach.

AI-Driven Smart Food Analyzer (09/2023 - 12/2023)

- This study addresses food-borne illnesses and promotes well-being by automating food image classification using a hybrid deep learning model. Combining a Convolutional Neural Network (CNN) for feature extraction with a Support Vector Machine (SVM) for classification, the model categorizes food into healthy and unhealthy classes.
- Experiments with a custom dataset show the hybrid model achieves 97% accuracy, outperforming a standalone CNN model's 94%. The hybrid approach also improves precision, F1-score, and recall.

STUDENT DATABASE SYSTEM (08/2022 - 11/2022)

- A student database system using linked lists in C includes defining a struct for student records, where each node contains student details and a pointer to the next node. Functions are created for adding, deleting, and displaying records. The system dynamically manages memory to accommodate varying numbers of student records efficiently.

INTERNSHIP

INTERN

Foundation in collaboration with National Educational Alliance for Technology(NEAT) and supported AWS Academy & Eduskills

2024,

Android Developer Virtual Internship, using XML, python for designing and API Integration for data Management

INTERN

BHARATH INTERN

06/2023 - 07/2023,

Interned at Bharath Intern, gaining practical experience in artificial intelligence methodologies. Developed skills in data analysis and machine learning model

SKILLS & TOOLS

C | PYTHON | HTML | CSS | JAVASCRIPT | DSA | Data Analysis | Data Visualization | VS CODE | JUPYTER NOTE BOOK | JAVA

ACHIEVEMENTS & CONFERENCES

Participated CodeQuest - Battle of Brilliance - (41 days Challenge)

Participated in SRU's Hackathon. (2023)

Participated in conference on data science conducted by ExcelR (2022)

INTERESTS & HOBBIES

Listening to Music, Gardening, Self-improvement, Nutrition

CERTIFICATES

Azure AI fundamentals (11/2022)
MICROSOFT

Data Science for Engineers (01/2023 - 03/2023)
NPTEL

ProblemSolving (2024)
HackerRank

Python(Basic, Intermediate) (2023)
Open weaver

LANGUAGES

English
Full Professional Proficiency

Telugu
Native or Bilingual Proficiency

Hindi
Professional Working Proficiency

PUBLICATIONS

Presented a paper entitled “AI-Driven Nutritional Assessment improving diets with Machine Learning and Deep Learning for food image classification” at International Conference on Self Sustainable Artificial Intelligence Systems(ICSSAS-2023) -PaperPublication - IEEE