

DONTHIREDDY SAKETH REDDY

Btech, Computer Science and Engineering
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EDUCATION

- **Vellore Institute Of Technology** 2020-Present
Btech CSE CGPA/Percentage: 7.86
- **Sri Chaitanya Jr Kalasala** 2018-2020
Board of Intermediate Education, Telangana CGPA/Percentage: 94.7
- **Blue Buds High School, Suryapet** 2017-2018
Board of Secondary Education, Telangana CGPA/Percentage: 9.2

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JS, HTML, CSS

Coursework: Data Structures and Algorithms, OOPS, DBMS

Cloud/Databases: MySql, Azure

Soft Skills: Design Thinking, Problem-solving, Communication, Collaboration

Developer Tools: Google colab, Visual Studios, MySQL

PROJECTS

- **Journey Planning System**
Developed a system which helps in finding optimal path between source and destination place according to distance and time
 - Tools & technologies used: Java, Graph Data Structure, Java compiler
 - First created a map of a city using Graph data structure and then calculated optimal path using Dijkstra's Algorithm
- **SAFEROADAI: Real-Time Accident Detection from Multi-Angle Crash Videos**
Built a road accident detection system and respective mobile application
 - Tools & technologies used: Google colab, Visual Studios, Python, Deep learning, DCNN, MLP
 - This application takes video as input and when an accident is detected in that video, a notification will be sent to mobile application along with video streaming
 - The proposed method includes data pre-processing, feature extraction, model training, validation and evaluation, prediction of accident
 - Used DCNN for extracting spatio-temporal features and model training, MLP for classifying the presence of accident
- **Age and Gender Detection System**
Developed an Age and Gender System using Deep Learning
 - Tools & technologies used: PyCharm, CNN, simple Python and Keras methods
 - The proposed method has 5 phases as follows: face detection, remove background, face alignment and multiple CNN.
- **Art Gallery Website**
Developed a web application which showcases a collection of art images in a user-friendly manner
 - Tools & technologies used: Github, HTML, CSS, JavaScript
 - The website is designed to be responsive, ensuring a seamless user experience across different devices, including desktops and mobile phones. HTML is used to structure the content, CSS to style and position the elements and JavaScript is used to implement the interactive features

POSITIONS OF RESPONSIBILITY

- **Volunteer**, NSS (National Service Scheme), Tamil Nadu Nov 2022-Dec 2023
Participated in 30+ social events, NSS Special camp 2023 in Kayar village, Tamil Nadu and organized 5+ events

CERTIFICATIONS

- **Participated in Two-day National workshop on "5G and Edge Computing"** Oct 2023
- **Certificate for successfully completing the course "Design Thinking - A Primer"** Jul-Aug 2023
- **Microsoft Certified: Microsoft Azure AI Fundamentals** May-Jun 2023
- **Participated in training conducted by Spoken Tutorial Project, IIT Bombay** Jun 2023
Java, Advanced CPP, PHP and MySQL online training conducted by Spoken Tutorial Project, IIT Bombay