

MANASA M

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OBJECTIVE

To make sincere and continuous effort towards building a promising career and to take a challenge in the profession so that I will contribute to the growth and success of the organisation.

TECHNICAL SKILLS

- ◆ C Programming, C++ (Object Oriented Programming), Java, Python.
- ◆ Learning Python using PyCharm IDE and Android APP development using Android Studio.
- ◆ M-Tech Project on **“Efficient Data Management in Vehicular Cloud Computing”**.
- ◆ M-Tech Mini Project on **“Text to Speech Conversion for Visually Challenged Person”**.
- ◆ Presented Paper entitled “Spider Monkey Optimization -Based Image Data Forgey Detection over Vehicular Cloud Computing” in Springer Publication ICHCSC-2023, Paper id- 1570914188.
- ◆ B.E project on **“Autonomous Camera based Eye Controlled Wheelchair system using Raspberry-Pi”**.
- ◆ B.E Mini Project on **“Cultural Fest Management System”**.
- ◆ Attended Five Day Faculty Development Programme on **“Essential Tools and Technique for Researchers: A Hands-on Approach”**, held at Ramaiah Institute of

Technology, on 20th – 24th February 2023.

- ◆ Attended a workshop on “**Cyber Physical Systems**” in the **International Conference on Circuits, Control, Communication and Computing (I4C- 2022)** held at Ramaiah Institute of Technology, on 21st – 23rd December 2022.

EDUCATIONAL QUALIFICATION

Sl. no	Course	Branch/ Specialization	Name of the University	Name of the Institute	Year of Passing	CGPA
1	M-Tech	CSE	VTU	Ramaiah Institute of Technology	2023	9.2
2	BE	CSE	VTU	Vivekananda Institute of Technology	2021	8.47
3	PUC	PCMC	Karnataka PU Board	Surana Independent PU College	2017	79.5%
4	SSLC		CBSE	Vidyaniketan Public School	2015	8.0

ACHIEVEMENTS

- ◆ Awarded **Gold Medal** for securing 1st Rank in M-Tech (Computer Science and Engineering) at Ramaiah Institute of Technology.
- ◆ Awarded **“Best Outgoing Student”** for the outgoing batch 2023.



RESEARCH AREAS

- ◆ Artificial Intelligence
- ◆ Machine Learning
- ◆ Big Data Analytics
- ◆ Computer Networks
- ◆ Image Processing

SKILL SET

- ◆ Programming Languages : C++, Java, Python
- ◆ Platform : Linux, Unix, Windows

- ◆ Tools : Eclipse, Netbeans
- ◆ Databases : MySQL
- ◆ Scripting Languages : HTML,CSS

INTERNSHIP PROGRAMME

- ◆ Completed 6 weeks of Internship Programme on Anomaly detection in surveillance videos, at Centre for Cyber-Physical Systems at Ramaiah Institute of Technology. (19th December 2022 to 27th January 2023).
- ◆ Completed 1 month of Internship Programme on Blockchain based Surveillance Camera at XON Labs, with Team size of 10 members. (August – September 2020).

PROJECT WORK

◆ EFFICIENT DATA MANAGEMENT IN VEHICULAR CLOUD COMPUTING

Domain: Machine

Learning **Toolkit** : Jupyter

Notebook **Platform:**

Windows

The goal of this project is to save the memory utilization in cloud, by identifying the forged and original images captured by the vehicles. Convolution Neural Network, Spider Monkey Optimization and Support Vector Machine models are used to predict the original and forged images.

Publication Details:

Publication in International Conference on Human Centric Smart computing (ICH CSC 2023).

Paper ID: 1570914188

◆ TEXT-TO-SPEECH CONVERSION FOR VISUALLY CHALLENGED PERSON

Domain: Image Processing

Toolkit : Jupyter Notebook

Platform: Windows

The goal of this project is to help the visually challenged people to navigate with ease, by detecting obstacles in the path and avoiding accidents that can be caused. The camera captures the image and extracts the text and the gTTS (google Text To Speech) will convert from text to speech.

◆ AUTONOMOUS CAMERA BASED EYE CONTROLLED WHEELCHAIR SYSTEM

USING RASPBERRY-PI

Domain: Machine Learning

Toolkit : Raspberry Pi, Eclipse

Platform: Windows

The purpose of this project is to eliminate the assistance required by the disabled person. This system mainly depends upon the movement of eyeball. It provides great opportunity for the disabled to feel independent accessible life. Firstly, we are using the central switch for the start -up of the wheel chair. It is also used for emergency purpose to stop the movement in some attention purpose. The eyeball tracker will track the movement of the eyeball and move according to the directions set by the user.

◆ CULTURAL FEST MANAGEMENT SYSTEM

Domain: Data base Management System

Toolkit : Netbeans (Frontend), xampp(mysql) (Backend)

Platform: Windows

This system helps students to register for different cultural activities online. which includes attractive user interface.

PARTICIPATION

- ◆ Participated in “**Online Talent Fest for IT Students**” Organized by the Department of Information Technology, School of Computing Sciences, VISTAS, Chennai on 21/05/2020.
- ◆ Attended Webinar on “**Hadoop Ecosystem and its Opportunities**” Organized by Department of Computer Science and Engineering, Vivekananda Institute of Technology, Bengaluru on June 29th 2020.
- ◆ Attended Webinar on “**Blockchain for Beginners**” Organized by Department of Computer Science and Engineering, Vivekananda Institute of Technology, Bengaluru on July 13th, 2020.
- ◆ Participated in online quiz on **Computer Graphics** with score of 75%. Organized by Department of Computer Science and Engineering, Vivekananda Institute of Technology, Bengaluru on May 6th, 2020.
- ◆ Participated in online quiz on “**Data Structures**” organized by Department of Computer Science & Engineering, Vivekananda Institute of Technology, Bengaluru

on June 15th 2020.

PERSONAL PROFILE

Name : Manasa M
Father Name : Muddanna S
Gender : Female
Nationality : Indian
Date of Birth :
22/05/1999 Marital Status :
Single
Languages Known: Kannada, English

DECLARATION

I declare that the information given is true and there is absolutely no extrapolation of the facts stated.

Date: 11/10/2023 Place:

- Bangalore.

Manasa M