



Sudharshan R

Mail : sudharshan18173@cse.ssn.edu.in Reg. Number : 185001173

Contact : 7358594120 GitHub: <https://github.com/exploring-curiosity>

Bio : Creative software developer. Can freely communicate and collaborate with others. Always Curious to learn.

BASIC ACADEMIC CREDENTIALS

Qualification	Board/University	Year	Percentage
B.E Computer Science Engineering	SSN College of Engineering	2018-2022	9.05/10
XII	CBSE Maharishi Vidya Mandir	2018	95%
X	CBSE Maharishi Vidya Mandir	2016	9.6/10

ACADEMIC PROJECTS

- ❖ IAMTCQ (A spider like robot with 4 legs)-Internally funded by institution.
 - ➔ Project Developed using **integration of Arduino and Raspberry Pi**. Operates using servo motors. Capable of travelling in multiple terrains.
- ❖ Developed a Chat Application that can be user in real time using React Socket.IO and nodeJS
 - ➔ Project developed to test the functionalities of socket.io and node. Deployed using Heroku and Netlify.
- ❖ Developed a Deep Learning project to detect covid using chest X-ray images.
 - ➔ A **Deep learning** approach on CNN to predict the possibility of COVID in a person based on his Chest X-Ray Image
- ❖ Developed a Project using ReactJS, NodeJS and MySQL for Internet Banking Application.
 - ➔ A Banking application to demonstrate the **Server and Client environment**, along with **JDBC, React and Node** to simulate an Internet Banking.
- ❖ Developed an application using Java for library inventory operations.
 - ➔ The project comprises **java application and JDBC**. It uses **JSwing** for GUI. Implemented to **show OOPS** features of Java.
- ❖ Developed a GUI for hospital Management in C.
 - ➔ The project comprises of pure **C programming**. Implemented to show graphical (**graphics.h**) features in C.

TECHNICAL - SKILLS

- ❖ **Operating System:** Windows, Linux, Cent OS, Ubuntu.
- ❖ **Languages Known:** C, C++, Java, Python, R, Lex(flex), Yacc(bison), Arduino Coding.
- ❖ **Database:** Oracle SQL, MySQL, MongoDB.
- ❖ **Web Development:** HTML, CSS, ReactJS, NodeJS, ThreeJS. **Server Handling:** Apache Tomcat, NPM: React, Vite
- ❖ **GUI** with java, C and C++.
- ❖ Can handle tasks related to **Arduino and Raspberry Pi (Robotics)**.
- ❖ **Other:** Basic 3D model generation using Blender, Vectary. Good at **mathematics and aptitude (Problem Solving)**

EXTRA CURRICULAR ACTIVITIES

- ❖ Member of **Junior Red Cross** Committee in Notre Dame of Holy Cross.
- ❖ Member of **Road Patrol Service** Committee in Maharishi Vidya Mandir.
- ❖ Member of **NSS** committee in SSN College of Engineering.

ACHIEVEMENTS

- ❖ **Qualification:** Qualified for junior level **National mathematics Olympiad** Contest-2016.
- ❖ **Presentation:** Presented a paper on **ARAM National conference** regarding a Robotics project.
- ❖ **Distinction:** Secured **Distinction in UNSW Global** educational assessment, Australia.
- ❖ **Participation:** Competed in **Tartan Hacks an International Hackathon**
- ❖ **Rank Holder:** **AIR 472** in Talent Search Examination 2012-2013.
- ❖ **Rank Holder:** Secured **International Rank 338** in 17th SOF NATIONAL CYBER OLYMPIAD.