



SAI DHANOOSH MARRI

Master's in computer science at University of Texas at

Arlington

LeetCode ID: [saidhanooshm](#)

Github ID: [SaiDhanooshMarri](#)

LinkedIn: [sai-dhanoosh](#)

MOBILE: +1 6823365014

EMAIL: msaidhanoosh@gmail.com

PROFESSIONAL SUMMARY: Master's in computer science graduate with extensive experience in Java development, proficient in web development, Python, and C programming. Possesses strong problem-solving skills and a track record of innovation. Seeking a software developer role to contribute expertise to cutting-edge projects.

EDUCATION:

- **Master of Science in Computer Science**
University of Texas at Arlington, 2022-2024 (Currently enrolled)
- **Bachelor of Technology in Electronics and Communication Engineering**
Sreenidhi Institute of Science and Technology (SNIST), Hyderabad, 2017-21, CGPA: 7.86/10

TECHNICAL SKILLS:

- **Programming Languages:** C, C++, Python, Java, Embedded C
- **Software:** MATLAB, Fusion 360, Microsoft Office Suite (Word, Excel, PowerPoint, Outlook)
- **Electronics:** ADC, PWM, Sensors, Arduino, Raspberry Pi, Node MCU
- **Web Technologies:** HTML, CSS, JavaScript, React
- **Version Control:** Git, GitHub
- **Testing Frameworks:** JUnit, Selenium
- **Database Management:** MySQL, Oracle
- **Cloud Technologies:** AWS (Lambda, EC2, S3, RDS), Azure (Functions, DevOps, Storage)

PROFESSIONAL EXPERIENCE (4 years):

- **Java Developer | Accenture (1 year)**
July 2021 - August 2022
 - Developed and maintained Java-based applications within the Web Methods framework.
 - Collaborated with cross-functional teams to deliver high-quality software solutions.
 - Implemented efficient algorithms to optimize application performance.
 - Conducted code reviews and provided constructive feedback to team members.
 - Utilized Agile methodologies to streamline development processes and meet project deadlines.
 - Contributed to the design and architecture of new software solutions.
 - Assisted in troubleshooting and resolving technical issues in production environments.

Research and Development Assistant (3 years)

May 2018 – June 2021

- Research Assistant under professor Dr. J Chattopadhyay for a Cube satellite project in SNIST.
- As a team we have researched and developed a Cube satellite by write the program for optimal execution to collect the data in the outer space to store and send the signal to the receiver station using various algorithms.
- Our team successfully launched the satellite to an altitude of approximately 11 kilometers above ground level for testing. This project allowed us to validate the performance of the signaling equipment under real-world conditions.

PUBLISHED PAPER

- Published a paper on Driver Assisting Feature for Collision Avoidance, Sign, and Traffic Signal Detection.

PROJECTS:

- **Developed Website on**
 - **eAutoElec** - Wholesale Hardware Marketplace, a cutting-edge online network that connects hardware manufacturers, retailers, and wholesalers.
 - **URM Application** - Web platform connecting URM's with academia. Promotes diversity and inclusion. User-friendly interface, opportunity matching, recruiter engagement.
 - **Family Health Report**: A website which has the data of entire family by which we can identify if the problem is Hereditary or not and can be accessed by all the doctors.
- Implemented **data structure algorithms** within the field of artificial intelligence
 - **BFS, DFS, UCS, DLS, IDS, GREEDY, A-STAR, Conditional probability with training data, Linked list, Double linked list.**
- **Driver Assistance Bot**: An image processing and machine learning-based bot for emergency actions while driving.
- **ROBOTIC PICASSO**: A bot which is programmed to create art / drawing based on given coordinates and input analysis.
- **TWIN TESLA**: Prototype of a self-driving car with image processing using Raspberry Pi and its camera.
- **Internet of Things with Raspberry Pi**: Creating a smart home device using relays and NodeMCU for smart control.
- **SQL Database Management System**: Developed a database management system using SQL for efficient data storage and retrieval and data processing for research assistance.
- **Fall Detection System**: Implemented a fall detection system using sensors and machine learning algorithms.

CERTIFICATIONS:

- Certificate of training by **MATHWORKS** on **MACHINE LEARNING ONRAMP, MATLABONRAMP.**
- Certificate of Introduction to Cloud 101 and Machine Learning Foundations on **Amazon web services (AWS).**
- **NPTEL** certification in **Problem Solving Through Programming in C.**
- Cisco Cybersecurity Badge, CCNA Badge, Packet Tracer Badge.
- Certificate of training by **CISCO(NetAcad)** on Programming Essentials in Python, Introduction to Cybersecurity English 0920 cga.
- Certificate of training by CISCO(NetAcad) on CCNAv7: Introduction to Networks.
- Certificate of training by **COURSERA** on **MACHINE LEARNING, PYTHON.**

POSITIONS OF LEADERSHIP:

- Member of SREESAT- Satellite Club, Sreenidhi Institute of Science and Technology, Hyderabad.
- PRESIDENT for START CLUB-SNIST for tenure 2020-2021.
- GENERAL MANAGER in START CLUB-SNIST for tenure 2019-2020.
- TECHNICAL HEAD in START CLUB-SNIST for tenure 2019-2020.
- STUDENT ADVISORY BOARD MEMBER in THE ROBOTICS CLUB-SNIST for tenure 2020-2021.
- PROJECT LEADER for a team of 10 in THE ROBOTICS CLUB-SNIST for tenure 2018-2019.

DECLARATION:

I solemnly declare that the information furnished above is correct to the best of my knowledge and belief.