

SASIKUMAR R

Chennai, TamilNadu, India

+91-9345054049 | rsasikumar670@gmail.com | github.com/SASI-KUMAR-R | linkedin.com/in/sasikumar670/

SUMMARY

I'm seeking a challenging career in computer science engineering, and electronics that offers opportunities to apply both theoretical and practical skills. I am looking for a platform that will enable me to develop my experimental and research abilities and advance my expertise in my technical interests.

EDUCATION

St. Joseph's Institute of Technology, *Bachelors in Electronics and Communication Engineering*

Chennai, India

2022 - 2026

Cumulative GPA: **8.67/10.0**

Sree Iyappa Matriculation Higher Secondary School, *Maths with Computer Science*

Chennai, India

2020 - 2022

Percentage: **8.57**

WORK EXPERIENCE

AAI - CHENNAI AIRPORT, *Airport Systems Department* [Link](#)

07/2024

- Expanded expertise in real-time machinery by studying the principles, operations, and design processes of systems utilized at Chennai Airport, enhancing understanding of complex infrastructure.
- Acquired in-depth knowledge of airport system software, focusing on the integration and performance of machine-specific programs that enhanced overall operational efficiency by 30% at Chennai Airport.

SKILLS

Languages Java, Python, C/C++, Qiskit, JavaScript, SQL

Tools VS-Code, GitHub, Pycharm, Eclipse, MySQL

Other Skills DSA, Quantum Algorithm, OOPs

PROJECTS

MEDICAL DISPENSARY AND PATIENT MONITORING ROBOT

11/2023 - 12/2023

- Engineered a multi-functional monitoring system for robots, integrating advanced sensors to track vital signs such as heart rate, SpO2 levels, and temperature in real-time.
- Optimized system accuracy to 70% - 75%, significantly improving patient health tracking capabilities and paving the way for enhanced robotic healthcare solutions.

VOICE ASSISTANT USING RASPBERRY PI

06/2023 - 07/2023

- Developed and implemented a user-friendly voice assistant application on Raspberry Pi, integrating Python code to enable voice recognition and interaction for an enhanced user experience.
- The voice assistant successfully achieved an 80% accuracy rate in recognizing commands within a range of 2.5 meters, demonstrating effective functionality and reliability.

WORD SEARCH PUZZLE SOLVER WITH VARIABLE TIME

08/2024

- Employed HTML for structuring the interface, CSS for styling, and JavaScript to implement backtracking algorithms, optimizing the solution of word puzzles through efficient problem-solving techniques.
- Introduced a feature enabling users to customize the tracking speed (in milliseconds) for word identification within the puzzle, enhancing user control and experience.

CERTIFICATES

IBM-Qiskit Global Summer School 2024 [Link](#)

Aug - 2024

Data Structures and Algorithms using Java - Infosys SpringBoot [Link](#)

July - 2024

C, C++, Python With Data Science & Java - CodeGalatta [Link](#)

2022-2023

Networking Basics - Cisco [Link](#)

Dec - 2024

Introduction to Internet of Things - NPTEL [Link](#)

Jul-Oct 2023

Introduction to Quantum Computing: Quantum Algorithms and Qiskit - NPTEL [Link](#)

Aug-Sep 2024

ACHIEVEMENTS

Paper Presentation, Sparx-Symposium at SRM Vadapalani - **Winner**

2024

Makeathon'24hrs - Intra College Hardware Hackathon, St. Joseph's College of Engineering - **Winner**

2024

Hack-AI-Thon'24hrs, Intra College Hackathon, **Finalist** 1 out of **128** Teams

2023

Codex, Symposium at Saveetha Engineering College - **Finalist**

2024

CODING EXPERIENCE

LeetCode - 150+ Problem's Solved – [Link](#)

2024

SkillRack - 1500+ Problem's Solved – [Link](#)

2024

CodeNinja's - 250+ Problem's Solved – [Link](#)

2024