SAI KRISHNA MOTAPARTHI

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🏠 Hyderabad, Telangana

TECHNICAL SKILLS

- 3D Printing and Design
- C and Python Programming
- Circuit Designing and Simulation
- Hardware language Programming
- Basics in Cadence virtuoso tool
- Prompt Engineering

INTER PERSONAL SKILLS

- Marketing
- Team & Time Management
- Public Speaking
- Event Organization and Execution
- Effective Communication
- Leadership
- Problem-Solving and Adaptability

PROGRAMMING LANGUAGES

- C
- Basic Python
- Embedded C
- Basic Verilog
- Basic Assembly Language

EXTRA-CURRICULAR ACTIVITIES

G-ELECTRA (Smart Systems Club), GITAM Hyderabad
- President of the Club

Entrepreneurs Club of GITAM Hyderabad
- Marketing & PR Team member

GITAM Alumni Relations
- Student Co-ordinator

IEEE
- Active Member

HAVANA'25
- Chief Student Organizer

ACCOMPLISHMENTS

- Winner of SIH24(Internal Hackathon)-Hardware category
- SPOT Award winner for contribution as Marketing Team Lead in G-ELECTR.
- Participated in Technical Fest in IIT Kanpur's **"TECHKRITI'24"**, IIT Bombay 's **"TECH FEST"**.
- Webcasting coordinator for the 2023 General Assembly Election in Telangana
- NSS Volunteer in 2023 General Assembly Election Counting in Telangana
- Participants coordinator in Smartideathon2023

LANGUAGES

- English
- Telugu
- Hindi

CAREER OBJECTIVE

Electronics and Communication Engineering student with experience in VLSI design, embedded systems, and robotics. Seeking an entry-level position to apply technical knowledge and problem-solving skills gained from leading multidisciplinary projects. Committed to delivering innovative solutions in the Core and IT industries. Eager to foster professional growth and technical excellence.

EDUCATION

B.Tech - Electronics and Communication Engineering 2022-Present
GITAM (Deemed to be) University, Hyderabad Campus.

Intermediate - MPC 2020 - 2022
Sri Chaitanya Junior College
Percentage: 83%

Secondary Education
Shree Swaminarayan Gurukul international school 2016 - 2020
CGPA:7.0

INTERNSHIP

Summer R&D Internship at IIIT-HYDERABAD(SPCRC) Apr, 2025-Present
Working on Low Cost TDS Sensor

AICTE Eduskills Internship Apr, 2024 - Jun, 2024
MICROCHIP EMBEDDED SYSTEM DEVELOPER VIRTUAL INTERNSHIP.

Edunet Foundation Internship, in collaboration with AICTE and Shell Dec, 2024-Jan, 2025
On Plant Disease Detection System for Sustainable Agriculture Project

PROJECTS

- **RFID Door Locking System:** Developed an RFID-based secure door access control system for restricted entry. *Oct-Sep 2022*
- **RFID Smart Log Book with Google Sheets:** Designed an RFID-based attendance and logbook system integrated with Google Sheets for real-time data tracking. *Jan-Feb 2023*
- **Pick & Place Bot:** Built an autonomous robotic arm for object detection, gripping, and placement tasks. *May-June 2023*
- **Women Safety Box:** Engineered a safety device that shares live location and voice recordings with emergency contacts at the press of a button. *Jan-Feb 2024*
- **Self-Guided Aid Rover:** Developed an autonomous rover for navigation and assistance in predefined environments. *July-Aug 2024*
- **Automatic Gate Unlocking System with Car Number Plate:** Implemented an ANPR-based gate control system for automatic vehicle authentication and access. *Aug-Sep 2024*
- **Autonomous Line-Following Submarine:** Designed an underwater robot that autonomously follows an orange path for navigation. *Nov-Dec 2024*

CERTIFICATIONS

Programming for Everybody (Getting Started with Python) Apr, 2023
University of Michigan(Coursera)

8 Bit Microcontrollers: Architecture of the PIC16 May, 2024
Microchip University.

Advanced C Programming Aug,2024
Microchip University.

Electrodynamics: An Introduction Sep,2022
Korea Advanced Institute of Science and Technology(Coursera)

MATLAB Onramp Sep,2024
MathWorks