

Sai Krishna Dasari

Phone: 9381120699

Email: dsaikrishna703@gmail.com

Website: github.com/SaiKrishnaDasari190

www.linkedin.com/sai-krishna-dasari

I am a passionate embedded system enthusiast seeking a challenging and dynamic career as an embedded software engineer, where I can gain knowledge and develop my skills.

Address 1: Garividi–Andhra Pradesh–India

Address 2: Nuzvid–Andhra Pradesh–India

Education

Degree	Institution	Grade/CGPA	Time Period
B.Tech. (ECE)	Rajiv Gandhi University of Knowledge Technologies, Srikakulam	9.03	2020–Present
PUC	Rajiv Gandhi University of Knowledge Technologies, Srikakulam	9.30	2018–2020
Class X	Zilla Parishad High School	10.00	2018

Skills

- **Micro Controllers:** STM32 Discovery Development Board (STM32F407VG), Arduino UNO (ATMEGA328).
- **Tools and technologies:** Keil uVision, Arduino IDE, LaTeX, Proteus, NI Multisim, Xilinx ISE, GitHub.
- **Programming languages:** C, C++, Python, Verilog HDL, Matlab
- **Communication:** Written and verbal communication, public speaking, team collaboration

Projects

Projects with Arduino UNO

- Line Follower Robot
- Password Protected lock using Pushbuttons
- Automatic Washing Machine
- EEPROM based Industry Products Counting Machine
- Arduino Calculator

- Bluetooth Controlled and Voice Controlled Bot
- Smart Irrigation using Moisture Sensor
- Self Controlled bot using Ultra Sonic sensor
- Smart Dustbin
- I2C Protocol using PCF8574 IC
- SPI Protocol using AD5206 IC

Projects with STM32 Discovery

- On Board LED Blinking
- Copying Data from Flash to SRAM

Note: Review my project firmwares, source codes and simulations on my Github repository, which showcases my experience and abilities in embedded systems development.

GitHub profile: <https://github.com/SaiKrishnaDasari190>

Experience

Chegg Q&A Expert

Chegg India
Jan 2023 – Present

- Developed and maintained firmware applications using C, Arduino IDE and Keil uVision.

Awards and Achievements

- Awarded 2nd **Position** in the **Arduino Workshop** Competition among **300** competitors **2022**
- Honoured with the **Prathiba Award** from the **Education Minister of Andhra Pradesh** for achieving the **highest CGPA** of 10/10 in **Matriculation** among **57,127** students in Andhra Pradesh **2018**
- Bagged 1st **Prize** in **District Level Science Fair Competition** for best **Innovative and Useful** project for Farmers in **Prediction of Pests** in the Farm **2017**

Courses and Certifications

- "Embedded Systems and Internet of Things" from SURE Trust
- "Mastering Microcontroller With Peripheral Driver Development" on STM32 from Udemy (On Going)
- "Crash Course on Electronics and PCB Design" from Udemy (On Going)

Co-Circular and Extra-Circular Activities

- **Executive Member, ELECSTA(ECE Student Body)** **2022 - Present**
 - Assisted in Upgrading the technical skills and Placements training
 - Conducted Technical and Cultural events and Workshops in the Departmental Level
- **Team Lead, Embedded Systems Training group, ECE** **2023 - Present**
 - Being a team lead, I am guiding and managing a team of **5** members to work on the **projects** and upgrading **skills** in the stream of **Embedded Systems** and **ARM** based Micro-controllers
 - Learning **ARM** based Micro-controller(i.e.**STM32**) and various Peripherals like **SPI, I2C, and UART** etc..
- Participated in **3** days of **Arduino Workshop** conducted by Department of ECE **2022**
- **Hobbies:** Traveling, Playing Chess, Cooking, Listening to Music, Star Gazing