

Sai Krishna Dasari

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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	8.9	2020–Present
PUC	Rajiv Gandhi University of Knowledge Technologies, Srikakulam	9.3	2018–2020
Class X	ZPHS School	10.0	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>

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)

Experience

Chegg Q&A Expert

Chegg India

Jan 2023 – Present

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

Co-Circular and Extra-Circular Activities

- Arduino Workshop
- Executive Member,ELECSTA(ECE Student Body)
- Team Lead of Embedded Systems training group at Departmental Level