

CHANNANA GOUDA

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ABOUT ME

A detail-oriented and motivated engineering student with a strong foundation in electronics, embedded systems and programming. Passionate in designing and implementing microcontroller-based systems, wireless communication and digital logic design.

Education

JSS Academy Of Technical Education BE in Electronics and Communication Engineering CGPA: 8.0(Till 5th semester)	10/2022 – Present
Sri Sharada PU College Pre-University Course (PUC) Percentage: 87.66%	04/2021 – 04/2022
Shree Krishna Devaraya High School Secondary School Leaving Certificate (SSLC) Percentage: 87.36%	06/2019 – 03/2020

Skills:

Programming Skills: C, Python, Verilog (Intermediate), VHDL (Basic)

Technical Knowledge:

CMOS Logic Design

Semiconductor Fundamentals

Intermediate understanding of Electronics and Data Structures

Analytical Skills: Problem Solving

Soft Skills: Collaborative and adaptable in group projects

Projects

IOT Based Smart Irrigation System

- Developed an intelligent irrigation system utilizing Internet of Things (IoT) technologies.
- Integrated soil moisture, temperature, and humidity sensors to monitor real-time environmental conditions.
- Automated the water supply based on sensor data to optimize irrigation and conserve water.
- Enabled remote monitoring and control through a mobile application or web dashboard using internet connectivity.

Drive Modes in EVs

- Designed and implemented multiple drive modes (Eco, Normal, Sport) for Electric Vehicles (EVs).
- Configured dynamic adjustment of throttle response, motor output, regenerative braking, and steering feedback.
- Focused Eco mode on maximizing energy efficiency, while Sport mode prioritized performance.
- Provided a customizable driving experience to adapt to varying road conditions and driver preferences.

Certifications

- Cisco Python Essentials
- Matlab Onramp Course