

Manushree BB

Engineering Student

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PROFILE

I'm a passionate Software Developer with a strong interest in both software and embedded systems. I have hands-on experience working with Python and SQL for backend logic and data handling, as well as HTML and CSS for creating responsive user interfaces. My background includes working on projects that combine software with hardware, allowing me to understand the full stack from device-level code to web-based interfaces. I enjoy turning ideas into practical, efficient solutions and continuously strive to expand my technical skillset while building reliable and user-friendly applications.

PROJECTS

INDUSTRIAL PRODUCTION LINE COUNTER SYSTEM

Designed and developed a counter system to track production levels on an industrial production line, the LCS employs advanced sensor technology coupled with robust microcontrollers to ensure accurate and real-time counting of items on production line.

WIRELESS ULTRASONIC WITH TFT MONITORING

Wireless Ultrasonic Radar with TFT Monitoring is a technology that combines advanced ultrasonic sensing, wireless communication, and high-resolution display capabilities, to detect the object position, angle and monitoring

INTERNSHIP

ISAC

Oct-Nov 2023

Basic Cyber Security

- Network security fundamentals
- Threat analysis and risk management
- Cyber-attack prevention and response
- Security best practices

IntrnForte

Dec-Feb 2024

Embedded System

- Microcontroller-Programming
- Circuit-Design
- Sensor-Integration
- Embedded-Coding
- Hardware-Debugging

IISc

Present - 2025

Plasma treated seed growth study in germination sheets by providing high voltage

Conducted experiments to analyze the impact of varying plasma treatment parameters on seed growth patterns, germination rates, and overall plant development. Collected and analyzed data to draw meaningful conclusions about the potential applications of plasma treatment in agricultural and horticultural practices.

EDUCATION

Vidya Vikas Institute of Engineering and Technology

•B.E - Electronics and communication

•CGPA: 8.2

•Anweshana PU College PCMB 2019 - 2021

Grade : 81.2%

•Shastry Public School 2018 - 2019

Grade : 73.4%

CERTIFICATIONS

- IntrnForte - Embedded System
- Accenture - Developer and Technology job simulation
- Infosys - VLSI digital design
- Robo race and Tech paint

SKILLS

- Microcontroller
- Python
- HTML,CSS
- Java script
- SQL,MYSQL
- Leadership
- Effective communication