

# GEETHAN B

## CONTACT

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 NAMAKKAL



## TECHNICAL SKILLS

### PROGRAMMING LANGUAGES

- C
- Embedded C

### MICROCONTROLLERS

- 8051
- PIC16F877A
- ATMEGA328P
- STM32F401RE

### COMMUNICATION PROTOCOLS

- UART
- I2C
- SPI
- CAN

### TOOLS

- KEIL
- MPLAB
- PROTEUS
- ARDUINO IDE
- STM32CUBE IDE

## CAREER OBJECTIVE

Embedded Systems Engineering graduate skilled in microcontroller programming and Passionate about building innovative embedded solutions. Eager to contribute and grow in a dynamic team.

## EDUCATION

### SSLC (2017-2018)

Kamarajar Matriculation Higher secondary School  
Percentage -90.4

### HSC (2019-2020)

Kamarajar Matriculation Higher secondary School  
Percentage -74.6

### B.E -ECE (2020-2024)

M.Kumarasamy College of Engineering  
CGPA -7.5

## PROJECT

### AUTOMATIC IRRIGATION SYSTEM USING SOIL MOISTURE AND HUMIDITY SENSOR

Designed an Automatic Irrigation System using humidity and moisture sensors to efficiently manage water usage in agricultural fields. Programmed a microcontroller (e.g., Arduino) with C to automatically activate irrigation when soil moisture is low. Integrated a humidity sensor to disable the system during rainy conditions, preventing water wastage. Tested and calibrated the system for reliable performance and optimal resource conservation.

# OPERATING SYSTEMS

- WINDOWS
- LINUX-UBUNTU (BASICS)

# CERTIFICATIONS

- Coursera-Architectingwith Google compute engine
- Internet of Things -NPTEL
- ICT learnathon

# INTERNSHIPS

- Cyber Security Virtual internship
- AWS Cloud Virtual Internship

# SOFT SKILLS

- Team Work
- Adaptability
- Time Management

# LANGUAGES KNOWN

- Tamil
- English

# RFID BASED PETROL PUMP AUTOMATION SYSTEM

Designed and implemented an RFID-based petrol pump automation system to streamline fuel dispensing. Integrated RFID technology for secure, cashless transactions, enabling user authentication and automatic billing. Developed a microcontroller-based interface control fuel pumps, ensuring accurate dispensing and real-time data logging. Enhanced operational efficiency, reduced manual errors, and improved customer experience.

# DECLARATION

I hereby declare that the above mentioned information is true to the best of my knowledge and belief.

NAMAKKAL

DATE :

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