

SHUBHAM SHATAVAPPA GURAV

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SUMMARY

I am a highly motivated graduate with a passion for embedded systems, skilled in the development and troubleshooting of embedded projects. Proficient in integrating various types of controllers, with excellent communication and teamwork abilities. Ready to contribute to a dynamic role in the embedded systems field.

EDUCATION

<ul style="list-style-type: none">• Bachelor of Engineering: Jain College of Engineering, Belagavi. Branch: Electronics and Communication Engineering CGPA:7.37 Visvesvaraya Technological University	2019-2023
<ul style="list-style-type: none">• PUC: Maratha Mandal Pre-university college, Khanapur. Dept of Pre-university Education Percentage:74.50%	2017-2019
<ul style="list-style-type: none">• SSLC: Vanashri High-School, Halaga. KSEEB(Class-X) Percentage:76.48%	2017

TECHNICAL SKILLS

Programming Languages	: C, Embedded-C, C++.
Operating System	: Linux, Windows, RTOS.
Technical Tools	: Microcontroller LPC2129, LPC2148.
IDE Tools	: Keil µvision5, Flash magic, Arduino, Proteus.
Core Concepts	: Data Structures using C, Algorithms.
Communication Protocol	:UART, SPI, I2C, CAN, TCP/IP

PROFESSIONAL TRAINING

ADVANCED EMBEDDED SYSTEM DEVELOPMENT Vector India Pvt. Ltd. Bengaluru, Karnataka.	Nov 2023-July 2024
1. Project Name: Data Acquisition System. <ul style="list-style-type: none">• Techonology: Embedded-C.• Protocols: UART and SPI.• Description: This project focuses on the development of a Data Acquisition System (DAS) that integrates UART and SPI communication protocols. This system is designed to acquire data from various sensors, devices, or peripherals that utilize these protocols for communication.	
2. Project Name: Smart phone based home automation using HC-05 Bluetooth Module. <ul style="list-style-type: none">• Technology: Embedded-C.• Protocols: UART.• Description: This project enables us to control the home electronic appliances, using Bluetooth module HC-05 through smart home application called serial Bluetooth. The protocol we had used in this project is UART protocol.	

3. Project Name : Dashboard Implementation Using CAN Controller.

Description : In this project, using ARM (LPC2129), I established communication between two CAN Controllers to implement a vehicle dashboard system. Developed functionality to display real-time vehicle data. Integrated dashboard(LCD Display) with vehicle. Demonstrated ability to work with CAN Controller and automotive electronics.

Objective : Dedicated to creating user-friendly interfaces and robust systems to optimize vehicle performance.

4. Project Name : Student Database System.

Description : Project involves creating a student Database using C language.

+ Understanding the concept of structure and file handling.

+ Task includes : create new record, adding new record, delete record, modify record and search record etc.

ACADEMIC PROJECTS

1. Project Name: Solar panel cleaning machine for power stations with IOT monitoring

The project aims to increase the solar panel efficiency. The most important component of these systems is solar panel, which converts solar energy into electricity. This is one of the simplest methods for generating electricity.

Using this project we can increase solar efficiency by up to 25-30%

CO/-EXTRA-CURRICULAR ACTIVITIES

Non-Technical

- Participated at various inter-school level kabaddi tournaments.
- Managing co-ordinator in the College events and co-curricular activities.

INTERPERSONAL SKILLS

Leadership Ability.

Ability to cope up with different situations.

Active listener and a Quick learner.

PERSONAL PROFILE:

D.O.B.	2 nd July 2001.
Permanent address	H.no 06/At: Bastawad, post: Nagargali, Tq: Khanapur, Belagavi, Karnataka 591301.
Languages knows	English, Marathi, Hindi and Kannada
Nationality	Indian.

DECLARATION

I am, Shubham Shatavappa Gurav hereby declare that the information furnished above is true to the best of my knowledge.

Place : Belagavi

Date :

(Shubham Shatavappa Gurav)