

Shamika Dalvi

Embedded Engineer

Contact

Address

Bengaluru, India 560064

Phone

9987866418

E-mail

shamika1994@gmail.com

LinkedIn

shamikadalvi

Twitter

ShamikaDalvi

WWW

<https://www.cubeminx.com>

Websites, Portfolios, Profiles

- <https://www.linkedin.com/in/shamika-dalvi-157037104/>

Skills

Java,C ,Embedded C

Web dev,J2EE,JDBC,Spring MVC

Java Full Stack Developer

Arm Cortex

M0,RaspberryPi,ATmega328

Firmware Developer,Io

C++,RTOS

PCB Schematic and Layout

I have 8 years of experience working in the embedded domain, primarily focusing on writing BIOS and developing functionality for a wide range of Arm-based processors. My expertise also extends to writing device drivers for various types of displays. Additionally, as a java developer I have developed and deployed my own website and my android app is also on play store

Work History

2023-08 -
Current

Embedded Software Engineer

Cellpropulsion Pvt Ltd, Bengaluru

Developing an automobile solution along with charging for the client using stm32 and linux based microcontroller using CAN, I2C, SPI, UART Linux based controller as MQTT client to communicate with server

Developing a solution for transmitting the GPS coordinates via LORA

Skills C, python, MQTT, STM32, IoT, linux

2019-12 -
2023-08

Embedded Software Engineer

DotSys Technologies , Navi Mumbai

Modified code for implementing changes on Delta HMI using ARM cortex M3 using modbus

Designed and developed Battery measurement and testing instrument as per client requirement which can conduct and save 1000 records perday and export it in usb

Developed entire code functionality for KEA128 using S32DS ide for timers, uart, gpio

Developed a Full bridge SMPS of rating 20V, 10 A with adjustable voltage and current

Developed application on STM32 using freeRTOS as per client specifications using task,handlers and queues

Skills:EmbeddedC, C, C++,ARM, FIRMWARE,KICAD, JAVA, RTOS

2019-08 -
2019-11

Embedded Engineer

Sensograph Packaging Technology , Navi Mumbai

Implemented algorithm to change the speed of stepper motor using acceleration and deacceleration on ARM Cortex M3

Implemented IoT service for viewing and editing machine parameters on website using raspberrypi 3B and java

Skills:Embedded C,C,JAVA, JDBC, IoT, WebDev

2017-02 -
2019-04

Software Engineer

Accenture, Mumbai

Developed Dashboard using SpringMVC and chart.js for a retail client to display status and graph of their order

Developer a website for editing a document in java

using Apache POI
Developed event calendar for editing and adding events using css and jsp
Skills:JAVA, Full Stack developer,J2EE, WebDev, MYSQL

Education

2012-07 -
2016-11

Bachelors Of Engineering : Electronics And Telecommunication

Savitribai Phule Pune University - Pune

Percentage 66.28%

Qualified in Gate EC 2017 (AIR : 9859 , 93.04 Percentile)

2021-06 -
2023-05

Masters Of Technology : Embedded Systems

Birla Institute of Technology And Science (WILP) CGPA : 7.19

Custom

- **Rubik's cube Solver Bot using ARM:** The Rubik's cube solver bot solves any 3x3 scramble in less than 1 min using CFOP algorithm
- The code written in java(Swing) for UI was then converted into C for ARM using keil ide which controls 6 stepper motors individually solve the cube
- **Website Development using java:** Created website for displaying my projects from scratch using java,js ,Cpanel also integrated payment gateway of PayTm
<https://www.cubeminx.com>
- **TFT clock and calendar using Raspberry pi:** Coded using java the TFT LCD was used for displaying time and date along with weather information on a image which keeps changing everyday
- **ANDROID projects:**
 - Developed first project for storing and retrieving images from phone to cloud and vice versa
 - Developed second project for allowing users to stepvice time their cubing times using voice and save their times on the cloud.This app is live on google play