



Prakash

Embedded Engineer

“currents and codes  
resonate in the pulse of  
progress”



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#### Socials



Instagram  
@prakashravichandrann



LinkedIn  
@prakashravichandrann10



GitHub  
@PrakasRavichandran



Twitter  
@Prakash\_r10



LinkedIn  
@prakash\_ui

#### Languages



Tamil  
Mother Tongue



English  
Professional working



Hindi  
Elementary

## Experience



Embedded Engineer  
Unibose

Present

Chennai, India



Software Deveveloper  
Scube.co

Feb 2023 – Mar 2023

Work from Home



Full Stack Developer  
Freelancer

Oct 2021 – Mar 2023

Work from Home

## Education



KRCT

BE Electrical & Electronics  
Jun 2022



PrepBytes

Full Stack Development  
Feb 2023

## Skills



### Design

System  
Architecture

Schematic &  
PCB Layout

Sensor Integration

Analog and Digital  
Signal Processing

Power  
Management

Prototyping

Testing



### Development

Embedded  
Software Development

Firmware & Memory  
Management

Hardware-Software  
Integration

Low-Level Device Drivers

IoT  
Protocols

SPI

RTOS

- Git
- Databases
- Docker

## Tools



SolidWorks  
3D Modeling, Engineering



Arduino  
Prototyping, Embedded Systems



Raspberry Pi  
Computing , Automation



GitHub  
Code Hosting, Collaborative



C++  
Firmware Development



Python  
Data Science



VS Code  
Code editor



Git  
Version Control



Figma  
UI Design, prototyping

## Latest projects



### ATEX ZONE O NMR

Featuring a mobile control unit for efficient  
oil and gas tank cleaning



<https://unibose.com>



### ATEX ZONE O CCTV Camera System

Intrinsically safe high-resolution monitoring  
system in hazardous environments



<https://unibose.com>