perfectvips-logo

# Dhruvi Trivedi

**PROFESSIONAL SUMMARY**

* Working as a**trainee Embedded Engineer**in**PerfectVIPs.**
* Knowledge on**programming languages**like**C,C++,Java**,**Python.**
* Working experience of**UART, SPI and I2Cinterfaces.**
* Working experience in**Windows**,**Linux**and**Androidos.**
* Hands on experience in Embedded board such as**Raspberry Pi,NodeMCU,Arduino.**
* Basic knowledge of**Networksimulator**.
* Working experience in**IOT**implementation using**MQTT**,**CoAP**,**xMAPprotocol.**

# PROFESSIONAL EXPERIENCE

**Company:PerfectVIPs TraineeEmbeddedEngineer**

**PROJECT DETAIL**

**Project:Platform Independent:IOT Solutions**

**Description:AllJoyn**isan**opensourcesoftwareplatformthat**enables**IoTdevices**andapplicationstodiscover and interact with each other. AllJoyn is a**platform and language**independent framework using that any two different language (C,C++,Java,Python) applications can**communicate**with each other and it can run on various operating systems(Linux,Mac,Android,Windows).In addition to this, AllJoyn provides service**advertisement and discovery**abstraction, as well as various application to application security mechanisms andaremotemethodinvocationabstraction.Inadditiontothis,remoteaccessisalsopossibleusing**Gateway**working service.**AllJoyn**works at the application layer. It**does not care**about any underlying networklayer.

# Roles & Responsibilities:

* + Involved in building**IOT architecture**using AllJoynframework.
  + working on how**two different language**applications are communicating with each otherover

**proximal network**that proves AllJoyn is a**language independent**.

* + Involved in IOT**gateway**in AllJoyn to connect the**different networksdevices.**
  + Use the**MQTT**protocol to connect different**networks**.

**Tools & Technologies: C,C++,Java.**

**Platform & OS:Linux, Raspberry Pi, Raspbian stretch, Android, CHARIOT.**

# ACADEMIC PROJECT

**Project:Numerology (Android Application)**

**Description:**The project is aim to find the**number based future prediction**.In this application**User**have to enter his/her name , birth date. Then user can find lucky number,colour, health prediction. So user can find out about his/her future prediction.After the**automation**this will mean better services provided . Predict the**birthday ,favorite color based future**.

# Skills Used:Android Studio, Front End-Android Studio and Use of Basic Java, Back End- php, MySQL, Xampp Server.

**ACHIEVEMENTS**

* Designed**database**with necessary parameters**XamppServer.**
* Developed the project in**Android**in phases with goodpractices.

# Active memberofNSSatcharusat.

* Attended**Aws**seminar atCharusat,changa.

# CURRICULAR ACTIVITIES

* Participation Certificate for**classical dancing**for Districtlevel.

# TECHNICAL SKILLS

**Programming Languages:C,C++, Java,Python.**

**Tools:Orange Canvas, Tanagra, Text studio(Latex), Arduino IDE, R studio,Wireshark.Boards**:**Raspberry Pi,Node MCU, Arduino.**

**Database**:**MySQL.**

**Web Technology:HTML,CSS,PHP.**

**Interest:Embedded,IOT,Web Development, Web Designing, Application Development.Operating System:Windows,Linux.**

**EDUCATION**

Pursuing M.E. in Computer Engineering fromCharusat University,Changa with 6.64

B.E. in Computer Engineering from MBICT(New V.V Nagar) ,Gujarat Technological University in 2018 with

9.19 (SPI) & 7.46 (CGPA)