

# DIPALI GUPTA

M.Tech. - E&Tc-Vlsi & Embedded Systems  
- MIT - WPU

Ph: +91-7802819774

Email: dipali.gupta190@gmail.com

Pune, Maharashtra, India - 411007

LinkedIn: <https://www.linkedin.com/in/dipali-gupta-070472190/>



## BRIEF SUMMARY

To obtain a position to develop new skills and leverage existing skills in an environment that fosters professional growth, and I am committed to applying my creativity and hard work to the success of your organization and the advancement of a rapidly evolving field. I would like to find a job where I can contribute to my growth. Passionate about exploring career prospects within the core/software/Education industry. Let's connect and explore how our paths can align for mutual growth!

## KEY EXPERTISE

Electronics and Communication Engineer   English   MS Office   VLSI and Embedded Systems   Lecturer   PCB Designing   C   Python

## EDUCATION

<b>Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)</b> M.Tech. - E&Tc-Vlsi & Embedded Systems - MIT - WPU   CGPA: 9.61 / 10.00	2021 - 2023
<b>Shantilal Shah Engineering College, Bhavnagar</b> B.E. - Electronics & Communication Engineering   CGPA : 8.10 / 10.00	2009 - 2013
<b>Sardar Patel Educational Institute, Bhavnagar</b> 12 <sup>th</sup>   GSEB   Percentage: 67.20 / 100.00	2009
<b>Smt. J.J. Mehta Multipurpose Girls High School, Sihor</b> 10 <sup>th</sup>   GSEB   Percentage: 77.54 / 100.00	2007

## PROFESSIONAL EXPERIENCE

<b>Smt. Chandibai Himathmal Manshukhani College</b> Lecturer <b>Key Skills:</b> Logisim   Raspberry Pi   Cisco Packet Tracer Visiting and Full-time faculty I taught 1] Computer Organization and Design, IoT, Architecting of IoT 2] Wireless sensor network and Mobile communication, Statistics, Computer Network Subjects	23 Aug, 2019 - 20 Oct, 2021
<b>Shree Swami Narayan Sardarnagar Gurukul</b> Physics lab Assistant <b>Key Skills:</b> Physics 1] Setting up experiments for students 2] Performed technical duties related to laboratory activities. 3] How to operate the equipment and technical assistance	23 May, 2015 - 10 Feb, 2018

## INTERNSHIPS

<b>Virtual Sense Global technologies pvt ltd</b> Wearable Design Engineer[Intern] <b>Key Skills:</b> Biomedical sensor   Research and development   Embedded Systems   PCB designing 1] Worked on the different parameters of the PPG Sensors/Biomedical Sensors for wearable 2] Testing the Device, analysis of collected data from the subjects 3] Knowledge of interfacing sensors using serial protocols such as I2C, SPI, UART, and 4] Wireless Protocols such as Wi-Fi and BLE 5] Experience with different IDEs such as Segger Embedded Studio, Arduino IDE, and STM32CudeIDE 6] Hands-on experience with NRF Controller, Raspberry Pi, Arduino Uno, STM32 7] Designed PMIC PCB using Ki-Cad Software	11 Oct, 2022 - 31 May, 2023
<b>The ARM Academy, Chennai</b> Intern 1. Learn about PCB Design 2. Embedded Systems. 3. Hands on Experience with different microcontrollers.	30 May, 2016 - 26 Oct, 2016

## PROJECTS

### Non-Invasive Blood Glucose Detector

11 Jan, 2023 - 31 Aug, 2023

**Mentor:** Dr. Harshali Zodpe | **Team Size:** 1

**Key Skills:** Biomedical Sensor Embedded C Wearables Signal Processing Blood Glucose

- 1] Non-invasive blood glucose device that is used to measure blood glucose levels.
- 2] The device uses a combination of near-infrared light and a photodetector to measure the absorption of light by glucose molecules in the blood.
- 3] The device will be tested on a number of subjects and demonstrate high accuracy and sensitivity for measuring blood glucose levels

### RF Modem using PIC 16F877A MICROCONTROLLER

15 Jun, 2016 - 14 Oct, 2016

**Mentor:** Dr. Ramani Kalpathi | **Team Size:** 1

In this project,  
I have interfaced RF Receiver and Transmitter module with PIC Microcontroller and communicated between two different pic microcontrollers wirelessly

### DTMF based Home Automation System

21 Jul, 2012 - 22 Mar, 2013

**Mentor:** Devang Jani | **Team Size:** 3

- In this project,
- 1] The main components used here are the DTMF Decoder, Arduino UNO, and the relay module.
  - 2] With the interconnection of these components and
  - 3] With the use of a cell phone as a remote
  - 4] We were successful in controlling various home appliances.

### Secured Room Access System using GSM Module

12 Jan, 2012 - 17 May, 2012

**Mentor:** Devang Jani | **Team Size:** 3

In this project  
It allows only authorized persons to access a restricted area. When someone tries to enter the restricted area by entering invalid passwords continuously, the system locks down and can be unlocked only by the master user

## PUBLICATIONS / RESEARCH / WHITE PAPERS

### Recent Advances in blood glucose analysis through non-invasive techniques and its challenges

Survey Paper | **Mentor:** Dr. Harshali Zodpe | **No. of Authors:** 4

**Key Skills:** Biotechnology

### PAINLESS BLOOD GLUCOSE MONITORING SYSTEM WHICH MEASURES GLUCOSE LEVEL

Research paper | **Mentor:** Dr. Harshali Zodpe | **No. of Authors:** 2

**Key Skills:** Biotechnology

## SEMINARS / TRAININGS / WORKSHOPS

**Advance VLSI Technologies** Institute Name: Dr. Vishwanath Karad MIT World Peace University (MIT-WPU)

22 Mar, 2022 - 25 Mar, 2022

**Key Skills:** Cadence Virtuoso

- 1] IEEE Students Chapter Association with Entuple technologies organized a workshop on Advanced VLSI Technologies
- 2] Hands-on session on cadence tool by Entuple technologies.

## ASSESSMENTS / CERTIFICATIONS

### Complete Machine Learning & Data Science

**Key Skills:** Python AIML Data Engineering Data Analysis Data Science

### Signal Processing Techniques and its Application

**Aggregate:** 84.00 / 100.00

## PERSONAL INTERESTS / HOBBIES

- Listening Music, Explore New things, Travelling

## IMs

- WhatsApp - 7802819774

PERSONAL DETAILS

**Gender:** Female

**Current Address:** Vidhate Park, Aundh, Pune, Maharashtra, India - 411007

**Emails:** dipali.gupta190@gmail.com

**Date of Birth:** 20 Jul, 1991

**Known Languages:** English, Hindi, Gujarati

**Permanent Address:** Shivdham Complex, Near Sibbu Palace, Station Road, Ambernath (E), Maharashtra, India - 421501

**Phone Numbers:** +91-7802819774, +91-8668725905