

## SHYAM PRAKASH DEO

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*Bachelor of Engineering in Electronics & Telecommunication also completed my CDAC in PG-DESD & having previous industrial work experience. Seeking for organization in which I can develop and use my technical Embedded Knowledge by my technical Research and Development*

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### Technical Expertise

- Testing & Manufacturing of **LED Lights**.
  - Good Knowledge of **C Language , Embedded C** programming.
  - Knowledge of Embedded **Linux Programming & Device Drivers** in Embedded System.
  - Knowledge of Wireless module **BLUETOOTH , ZIGBEE , SENSOR**.
  - Circuit Design Knowledge relevant to embedded technology
  - Basic Assembly Language of Micro controller Programming like **AVR, ARM (LPC1768)**etc.
  - Knowledge of Automotive Protocols like **CAN Protocol** etc.
  - Troubleshoot and analyses the Problems in the Checking of PCB.
  - Knowledge of Design of PCB as per Application Requirement.
  - **Software Skills:** - Code Block Compiler , Keil , Orcad , Proteus , AVR Studio etc.
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### Work History

#### A. Current Working: Advances Telecom & Power Networks (Mumbai)

##### Company Profile:

ATPN work on Telecom sector they will handle the MSETCL project in this company I work as a Project Developer. And presently I handle Amravati(mah) MSETCL Project

**Designation:** Embedded Developer

##### Roles & Responsibilities:

- Planning for Designing Project by Using Proteus software to design an Electronic Circuits and Micro-controller devices
- Tested Successfully electronics and Microcontroller unit which is design by R&D Department
- After Successfully designing of Electronic Circuits and Microcontroller unit. Interface different unit like ZIGBEE

## **B. Electronet Equipment's pvt Ltd. Pune, Maharashtra State, India**

- **Company Profile: (Aug 2014- Aug2016)**

Electronet has emerged a key player in the Indian Instrumentation & Automation Business. It Caters to Process Plants (nuclear, thermal, wind, hydro & gas based), fertilizers plants, chemical, cement, paper & pulp, sugar & water treatment plants, atomic research stations & so on.

- **Designation:** Junior Engineer(**R&D&TESTING ENGINEER**)

- **Roles & Responsibilities:**

- Maintenance and Calibration of Flow meter which used PIC-16F2406, ATMEGA-128 LPC1768 which is design by R&D department
  - Troubleshoot the Problems of all the types PCB
  - Analysis of ULTRASONIC GENERATOR (NPCIL RAWATABHATA(RJ)).
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## **Professional Synopsis**

- Overall **2 years** of **Industrial Experience**.
  - Certification of **Advanced Embedded Systems**
  - Expertise in Micro Controller **89C51 ARM LPC 1768 PIC 16F2406**
  - Designing of wired and wireless Robot using Zeegee & Bluetooth Protocols
  - Designing Project on CAN bus Protocol in Automobile industries
  - Handling PIR sensor and Digital thumb sensor
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## **Scholastic Details**

- **Post Graduate Diploma in Embedded System Design(PG-DESD)** **Feb.2017**
  - **Bachelor of Engineering in Electronics & Telecommunication August 2011 to July 2014**  
64.33% (**7.09( CGPA)**), Sant Gadge Baba University, Amravati-Maharashtra, India
  - **Diploma in Electronics & Telecommunication Engineering July 2008 to July 2011**  
67.76%, Maharashtra State Board of Technical Education (MSBTE), Mumbai-Maharashtra, India
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## **Academic Enhancements**

### **(A) For PG-Diploma:**

- **Project Name:**

Project on "PROTOTYPING FOR VEHICLE CONTROL & MONITORING MANAGEMENT BY USING CAN PROTOCOL."

- **Project Description:** The use of embedded technology has proved to be beneficial in present vehicle control maintenance and monitoring that will minimize the accidents caused due to vehicles and in vehicles. The title of the project is Prototyping for vehicle control & monitoring management by using CAN protocol. In this project there are two sections: hardware and software. The hardware part of this project is a temperature sensor, a PIR sensor, a fingerprint digital touch sensor and two ARM controllers, one at the transmitting end and other at the receiving end which communicate through CAN protocol. Our intention of this project is for safety of left behind passengers and illustrating mechatronics system to protect child or warning signal to parents. As well as we will provide security from theft to the vehicle through fingerprint recognition. In this study, we are also trying to find some future scope for this system and will be considering some economical and technical possibilities.

**(B) For Degree:**

- **Project Name:**

Project on 'HEART PULSE MEASUREMENT USING FINGER TIPS'

- **Project Description:**

This is a Biomedical based project for measuring heart beat of the human body using IR Sensor, Opamp and Microcontroller. In this project IR sensor was used to detect the flow of blood from the veins of human body and the signal was given to the op-amp for the amplification. This analog amplified signal was given to Micro-controller to convert it into digital signal and the result was displayed on three 7 Segment Led display.

**(C) For Degree:**

- **Project Name:**

Project on 'BATTERY CHARGING USING SCR'

- **Project Description:**

In mini project we make the circuit lies in controlling the switching of an SCR based on the charging and discharging of the battery. Here the SCR acts as a rectifier as well as a switch to allow the rectified DC voltage to be fed to charge the battery. In case the battery gets fully charged, this situation is detected using a comparator circuit and SCR is turned off.

**(D) For Diploma:**

- **Project Name:**

Project on 'SECURITY DOOR LOCK ACCESS CONTROL'

- **Project Description:**

My Diploma project on Security Door Lock Accessing Control Using Microprocessor verifies three time locking information if fails alarm glows on. For this we are using matrix Keypad to generate the password it should take only three times to generate the password if it's wrong in third attempt the buzzer ON and system should be lock automatically. Application: jewelry safe.

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## Extra Activities:

**Manufacturing LED Emergency Lamp:** Led Emergency Lamp it's fully operated on 4 volt 1 Amp rechargeable battery. Battery will charge with small pin mobile charger which output up to 5 volt.

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## Personal Details

- **Date Of Birth** : 05 Apr 1988
- **Passport Number** : P0502619
- **Date of Expiry** : 22/9/2026
- **Linguistic Abilities** : Marathi, Hindi & English

## Declaration:

I, the undersigned hereby declare that the above mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Date:

(Shyam P. Deo)

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