

SIMRAN

9589623380

✉ simranmaurya97@gmail.com

🌐 <https://github.com/simran0109>

🌐 <https://www.linkedin.com/in/simran-271848184/>



"I excel in decision making, problem solving, and motivating team as a dedicated team player, while also demonstrating exceptional time management skills. My ability to quickly learn and apply tools and software, coupled with a proven track record of hands-on project success, further enhances my value as a versatile asset for the organization."

EXPERIENCE

PHILIPS INDIA LIMITED

Healthcare R&D Centre, PUNE

Product Engineer

AUG 2022 – May 2023

- Learning and understanding Digital X-ray systems, Philips Legacy systems and working of X-Ray machines for better understanding for the electrical projects.
- Worked on **suggesting obsolete parts** for the system and subsystem for the end-of-life products by making an electrical comparison of the suggested and obsolete part using different electrical parameters, performing testing, verification and validation, with actively working in **Windchill** software for BU **Personal health** and **DXR**.
- Worked on understanding **RF coils** and simulating software like **Octave**, **CST studio**.
- **Simulation** of **2 channel**, **3 channel RF coil** with tuning and matching for **better E-field and H- field** for a **breast coil**.
- Tuning and matching of **16 channel**, **20 channel** and **28 channel breast coil** in **CST studio** for better E-field and H-field using **dB graph** and **Smith chart**.

INTERNSHIP

Aug 2021 — Aug 2022

- Published **LCM Dashboard** which consists of two dashboard **SI Dashboard** and **Summary Dashboard**, for this project I have connected with all the team members for requirements and for further improvements.
- Worked on **CQ Coding page**, drafted frontend coding for the second phase implementation and maintenance using **HTML**, **JS** and **CSS**, added direct link to Dashboard, search box for CQ's, Reassign functionality, and overall page look.
- Worked on manual data cleaning and uploading data for LCM dashboard using Excel, which further was automated in Excel using power query for cleaning and merging of four QMS files.
- **Monthly deck preparation for KPI** i.e., TTSU48, RR, FTR using Qlik sense, dedicated dashboards was prepared in QS for which the data comes from Qlik view further this data is associated with Market target and Product target.
- Worked on **Qlik-N printing** for creating automatic power point presentation.
- Created videos in **Audio-premiere pro** for field service engineers to perform troubleshooting and calibration for the serviceability improvement.

Education/ Certification in Progress

Executive Post Graduation in Data scientist and AI
- June 2023
(From IIT Roorkee + Intellipaat)

Skills

Data analyst,
Data
scientist

•Python (EDA, ML algorithms(supervised, unsupervised, Time-series))

Data
visualization
tools

•Qlik Sense
•Power BI
•Tableau
•Excel
•Python(matplotlib, seaborn)

Data cleaning

•Python (pandas, numpy)
•Excel

Front end
web page
designing

•HTML
•CSS
•Javascript

Simulation
tools

•MATLAB
•SIMULINK
•Octave
•CST

Video editing
tools

•Adobe premiere pro
•Azure — Voice over tool

Achievements

Take ownership to deliver fast

I received the award, "Taking ownership to deliver fast" for delivering end to end project of LCM Dashboard.

ACADEMIC PROJECTS

POWER FACTOR CORRECTION USING PIC MICROCONTROLLER

M-Tech

Mini PROJECT

Key Technology: PIC Microcontroller

In this project, pic microcontroller is used to measure power factor and to adjust power factor automatically. Whenever power factor falls below 0.9, microcontroller switch on relays. By turning on relays, capacitor bank connects automatically to load and improve power factor close to unity.

IOT BASED SMART SECURITY AND SMART HOME AUTOMATION

B.E.

MAJOR PROJECT

Key Technology: IR Sensor

This IoT project focuses on building a smart wireless home security system which sends alerts to the owner by using Internet in case of any trespass and raises an alarm optionally. Besides, the same can also be utilized for home automation by making use of the same set of sensors. The alerts and the status sent by the Wi-Fi connected microcontroller managed system can be received by the user on his phone from any distance irrespective of whether his mobile phone is connected to the internet.

VOICE CONTROL-BASED HOME AUTOMATION SYSTEM

B.E.

MINOR PROJECT

Key Technology: ARDUINO UNO

In this project we have successfully implemented voice-controlled home automation system controlling relays (i.e., bulbs) using ARDUINO with Bluetooth module HC-05. This project can be used for controlling 'n' number of input controls i.e., by extending number of relays.

Education

2020-2022 8.09 GPA

M-Tech Power electronics and drives
Manipal Institute of Technology, Manipal

2015-2019 70.34%

B.E. Electrical and Electronics Engineer
Shri Shankaracharya Group of Institute, C.G.

2015 70%

12th Science **with Computer science** Senior Secondary
School Sector-7, C.G.

2013 8.5 CGPA

10th Science **with Sanskrit**
Senior secondary school Sector-4, C.G.

Academic Achievements

- GATE 2020 QUALIFIER
- GATE 2019 QUALIFIER

Hobbies

- Travelling
- Cooking
- Editing videos
- Creating travel Itineraries
- Writing Hindi Poem

Reference:

Mr Praveen Kulkarni (Product engineer role Manager)

- 7030965431

Mr Govinddas Gujarathi (Intern role Manager)

- 9850000566