



# NIKHILKUMAR P. PATEL

27/Gomtiwas, Vallabh Vidyanagar, Anand-388120

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## Objective

*"To work with an organization in which I can work with, best of my capabilities & utilize my talent to serve the nation in whatever possible ways"*

## Technical Skills

- Having knowledge of instrumentation regarding sensors, Op-Amps, Biomedical instrumentation.
- A good *MATLAB* programming skills.
- Sufficient knowledge in "*Raspberry Pi*" programming and interfacing, networking in *pi(webiopi)*.
- Knowledge of Digital Logic Design and 8051 microcontroller.
- Basic Knowledge of C, C++,python,VB, HTML4, css, DHTML,XML,Javascript.

Software's known : matlab, Scilab, multisim, Pspice, Proteus, Xilings, keil, LabView, VB, Quartus.

OS Knowledge : Windows 8.1/8/7/vista/xp, Debian (Raspbian – Weezy), Ubuntu.

## Educational Qualifications

DEGREE	UNIVERSITY	SCHOOL/COLLEGE	YEAR OF PASSING	MERIT %/CPI/CGPA
ME (E.C.)	GTU	GCET	July-2014	9.14 (First Class with Distinction) :: 86.6%
BE (ELECTRONICS)	GTU	BVM	May-2012	8.1 (First class with distinction) :: 75.6%
HSC (SCIENCE)	GHSEB	RPTP	March-2008	90% merit
SSC (GENERAL)	GHSEB	M.U.Patel Tech. High school	March-2006	84.14 (100/100 in maths)

## Work Experience

- Working as a post of Lecturer in B&B institute of technology (Grant in Aid), V.V.Nagar from 1st july, 2015.
- Working as a Trainee Lecturer in GCET engineering college (V.V.Nagar) from July 21,2012 to May 5,2015.
- Got Industrial Training during june-2011 to June-2012.

## Extracurricular Activities/Achievements

- **Delivered expert talk on**
  - ✓ "Unknown Features of MATLAB Part-1 (GUI & .exe development)" – February, 2015.
  - ✓ "Development of raspberry pi"-sensor interfacing with pi using python-Oct. 2014.
  - ✓ "Foundation steps for Image and Video Processing using Matlab and openCv"-Sep.-2013
  - ✓ "Foundation steps for Scilab programming and Multisim.(240+ students)- April-2014.
  - ✓ "GUI development in MATLAB"-Photoshop Prototype creation- Sep-2013.
  - ✓ "Foundation steps for PCB design using Proteus, Pcbwiz, Protel"- Nov-2013.
- Received Gold medal for 100/100 marks in maths in 10<sup>th</sup> standard (regional 1<sup>st</sup> (Maths)) in year 2005-2006.

- Got Scholarship of all Year Fees in College for securing 5<sup>th</sup> rank in 12<sup>th</sup> standard out of 1500+ student in RPTP (CVM Institute) in year 2008-2012.
- Organizing committee member of ISSP (IEEE conference) and TI Analog Quest-2014.

## Projects

- ▲ “Control instrument (flash spin dryer) from remote places using internet”-Raspberry Pi based.
- ▲ Photoshop type (image enhancement, Filtering, 17 Image operation) GUI (Graphics User Interface) in MATLAB & Standalone (.exe) application development for the same.
- ▲ RTC (real time clock) in VHDL (code tested on Xilinx FPGA board).
- ▲ PCB designed for more than 10 projects in 'PROTEUS'.

Dissertation Work (masters level) : “3D Rendering of MRI” {Brain, Knee, Cardiac Images}

Project Work (Final level in B.E.) : A Project based on SCADA panel is successfully implemented on real machine (Flash Spin Dryer) with precise working in HI-Speed Turbo Drive PVT LTD.(GIDC, V.U.Nagar).

## Publications

1. Published an *INTERNATIONAL CONFERENCE/Journal PAPER* entitled “Swift Pre Rendering Volumetric Visualization Of Magnetic Resonance Cardiac Images Based On Isosurface Technique” in 2nd International Conference on Innovations in Automation and Mechatronics Engineering, ICIAME 2014,GCET,V V Nagar, March-2014 with ISSN: 2212-0173.  
{Paper Online available at *sciencedirect* and Published in ELSEVIER PROCEDIA TECHNOLOGY JOURNAL (Vol.:14, page-422-429)}
2. Published an *INTERNATIONAL CONFERENCE PAPER* entitled “Simulation of Electricity Larceny Detection for Secondary Distribution System using PLCC (Simulation in Multisim)” in International Conference on Advances in Engineering and Technology-(ICAET 2014), Nagapattinam,Chennai, May-2014.  
{Paper will published in IEEE xplore with ISBN : 978-1-4799-4949-6}

➤ **I had reviewed a paper for “IEEE Transection on industrial informatics (TII)” in year 2015.**

## Personal Information

<b>Name</b>	Patel Nikhilkumar Prakashbhai	
<b>Date of Birth</b>	3 <sup>rd</sup> April, 1991	
<b>Nativity&amp; Nationality</b>	Gujarat, Indian	
<b>Languages Known</b>	English, Hindi, Gujarati.	
<b>References</b>	1. Dr. H.B. Soni (PHD-IITB) Professor & Principal, GCET College, GTU. (M) 9687554941	2. Prof. U.S.Deopurkar Former HOD, Dept. of Electronics, BVM Engineering College,GTU. (M) 9824208441

## Declaration

I am hereby declared that the above given details are correct and I take complete responsibility for any False information.

PLACE & DATE  
VALLABH VIDYANAGAR

SIGNATURE  
NIKHIL PATEL  
As on 1<sup>st</sup> August, 2015