

# SHIVANG R. PATEL

Assistant Professor at GEC Modasa

Ph.D scholar, linux and machine learning enthusiast and proud geek

@ patelshivang82@gmail.com +91-9033739018 GEC Modasa - Gujarat, India  
www.tithal.life in shivang-patel-a3b237b8



## EXPERIENCE

Assistant Professor at Computer Engineering

GEC Modasa

Dec 2021 - Present Modasa, India

Linux servers admin, R&D, AI, Full stack software dev & Manager

Iconicus Softwares Pvt. Ltd.

November 2016 - Present Valsad, India

- Setup and maintaining live production and in house(bare-metal) Linux servers.
- Handling servers and other technical solutions for Trekmunk - IT Expert.
- Server side shell scripting for live application's backup.
- Managing shared hostings for clients.
- DNS server setup and configured for in house network.
- Mail server setup and configuration(MailCow).
- WebRTC based projects to develop communication( Audio, video, Text, File sharing, Groups ) application.
- Elastic stack[ELK] setup for network monitoring.
- RASA framework based AI chat bot development using python. Developed chat bot for inventory management application.
- Gitlab server setup and configuration for in house server.
- Gitlab server based CI/CD (devOps).
- Developed application for Business card cropping from images using OpenCV image processing tool and python scripting. Extracted data from cropped image using Google Vision and Azure's AI API.
- Some basic graphics development and editing using GIMP and Inkscape.
- Website development. Developed live websites listed in ANNEXURE-1.

Education Consultant

ASCII Pvt. Ltd.

April 2016 - October 2016 Valsad, India

- Providing computer knowledge to school's student. Teaching related to JAVA, HTML, JavaScript, CSS, Synfig Studio, Linux, Libber office, etc.
- Teaching some theory works like, history of computers, and number conversions.

Freelancer

www.freelancer.in

August 2015 - November 2016 Valsad, India

- Developed tool for fingerprint reorganization using ANN( Artificial Neural Network ) using Matlab 14a with UI. Client from Romania. Video Link - <https://www.instagram.com/p/BAq3aoBR-3b/>
- Compare two ANN with hyper parameters tuning and data analysis with documentation. Client from Jordan.
- Helping in R&D worked based on medical x-ray image analysis for alzheimer's disease using Matlab tool. And applied some ANN and Deep learning based algorithms using caffe framework.

## LIFE PHILOSOPHY

"Nature is always smarter then human thinking..."

&

"Learn with experience and do right things..."

## MOST PROUD OF

**Courage I had**  
solve the problem with tons of passions, no matter what...

**Searching & Learning**  
I am excellent topic searcher on web and gathered information to infer the knowledge for problem solving.

## EDUCATION

Ph.D. in Human Emotion and AI

Gujarat Technological University

2020, Pursuing... Ahmedabad - 382424

M.E. in Computer Engineering

L.J. Institute of Engineering and Technology

August 4, 2015 Ahmedabad - 382210

Score 7.53 (CPI) (enroll no: 130320702512)

B.E. in Computer Engineering

L.D. Engineering Collage

June 30, 2013 Ahmedabad - 380015

Score 6.65 (CGPA) (enroll no: 090280107118)

Higher Secondary School Certificate - Science

Bai Ava Bai High School

2009 Valsad - 396001

Score 61.6%

Secondary School Certificate (with technical subjects)

Bai Ava Bai High School

2007 Valsad - 396001

Score 79.08%

## PERSONAL INTEREST

### Free Time Work

- Raspberry Pi setup & configured and used as a server for home.
- Own blog-site developed and maintaining. Blog writing.

## ACADEMIC PROJECTS

### Handwritten Character Recognition using Machine Learning Approach

#### P.G. Dissertation Work

📅 2013 - 2015

📍 LJITE Ahmedabad, India

- Completed thesis work based on handwritten English characters recognition using ANN and SVM to reduce time and computation power using Euler numbers.

### Bus Trekking System

#### B.E. Project Work

📅 2012 - 2013

📍 LDCE Ahmedabad, India

- Developed java servlet, jsp, mysql based web application for trekking system.
- Developed location sender application for trekking system based on android and Google map api.

## PUBLICATIONS

- S. R. Patel and J. Jha, "Handwritten character recognition using machine learning approach - A survey," 2015 International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO), Visakhapatnam, 2015, pp. 1-5.  
DOI: 10.1109/EESCO.2015.7253978

## COURSEWORK

- Completed Professional Ethical Hacking course at Cyber Octet Pvt Ltd. - 21 December 2012.
- PadhAI - Deep Learning course completion. - 1 September 2019.

## EXTRA-CURRICULAR

### Project presentation

#### Technical Project Exhibition - L.J. Innovation Village 2015

📅 31 January, 2015

📍 LJITE Campus - Ahmedabad, India

### Event Manager

#### Tux-e-do [based on linux os] event in Teqnix - 2012

📅 2012

📍 LDCE Campus - Ahmedabad, India

## CONFERENCES AND WORKSHOPS

### International Conference

#### PyCon India - 2018

📅 2018

📍 HICC, Hyderabad, India

#### PyCon India - 2019

## STRENGTHS & SKILLS

Linux Ubuntu Servers

AI Development Machine Learning

Web Development

Wordpress webRTC

WebSocket Programming Nginx

OS Virtualization Apache Tomcat

Gitlab with CI/CD LaTeX VI editor

Application Architecture Designing

Google Searching

MsOffice - Office tools

LibreOffice - Office tools

Node js Scikit Learn Numpy

Tensorflow PyTorch OpenCV

Matlab Elastic Stack(ELK)

Apache Solr flask Django MySQL

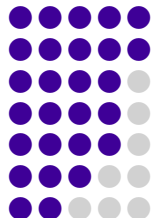
RestAPI Data Analysis RabbitMQ

Data Structure scrapy GIMP

Inkscape

## LANGUAGES

HTML,CSS  
JavaScript, JQuery  
Shell Script  
Python  
JAVA  
Matlab  
C



## FREE TIME

- Landscape Photography
- Night Photography
- Blog Writing
- Explore new techs
- Sitting on a Beach

## REFEREES

On request...

📅 2019

📍 CTC, Chennai, India

### **PyCon India - 2020**

📅 2020

📍 Online mode

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### **Bootcamp**

#### **Python Bootcamp - Open Source Technology Club of GTU**

📅 11-12 April, 2015

📍 LDCE - GTU, Ahmedabad, India

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Other workshops details listed in *ANNEXURE - 2*

## ANNEXURE - 1

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- [www.iconicussoft.com](http://www.iconicussoft.com)
- [www.trekmunk.com](http://www.trekmunk.com)
- [www.insanetraveller.com](http://www.insanetraveller.com)
- [www.atcohm.co.in](http://www.atcohm.co.in)
- [www.sahajhome.com](http://www.sahajhome.com)
- [www.jyaphgroup.com](http://www.jyaphgroup.com)
- [www.phoneking.com](http://www.phoneking.com)

## ANNEXURE - 2

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- Seminar presentation - Linux and Open-Source Licenses at LDCE, Ahmedabad. (as a part of academic work)
  - Seminar presentation - Ubuntu Open Stack at LJITE, Ahmedabad. (as a part of academic work)
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- Participated Loophols [Ethical Hacking and Information security workshop] held at C.S. Patel Institute of Technology, Changa. 27 September 2012.
  - Participated one day seminar on CYBER CRIME & INFORMATION SECURITY organized by the CE/IT/MCA departments of Sankalchand Patel College of Engineering (SPCE) and Manish Institute of Computer Studies (MICS), on August, 2012.
  - Participated Linux Workshop, and cleared an online exam, Organized by the Spoken Tutorial project, IIT Bombay held at L.D. December, 2011.
  - Participated in Android Development and Software Testing workshop in Teqnix 2011 held at L.D.C.E.
  - Participated in Darkside Developer [Hacking competition and seminar] in Prakarsh 2011 held at S.V.I.T.
  - Participated workshop on Research Presentation using LATEX held at DDU IEEE, Nadiad. 26 July 2014.
  - Participated workshop on Quality Research for PhD and ME students, held at GTU, Chandkheda Caampus, Ahmedabad. 23 March 2014.
  - Participated Advanced Computing and Big Data workshop held at C.S. Patel Institute of Technology, Changa. 21-23 November 2013.
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