

SHIVANG R. PATEL

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

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www.tithal.life in shivang-patel-a3b237b8



EXPERIENCE

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.
- 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 conversations.

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.

For Own Interest

Free Time Work

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

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 pas-sions, 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%

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

📅 2019

📍 CTC, Chennai, India

PyCon India - 2020

📅 2020

📍 Online mode

Bootcamp

Python Bootcamp - Open Source Technology Club of GTU

📅 11-12 April, 2015

📍 LDCE - GTU, Ahmedabad, India

Other workshops details listed in ANNEXURE - 2

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

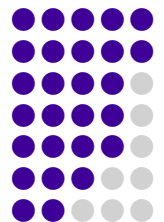
Shell Script

Python

JAVA

Matlab

C



FREE TIME

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

REFEREES

On request...

ANNEXURE - 1

- www.iconicussoft.com
- www.trekmunk.com
- www.insanetraveller.com
- www.atcohm.co.in
- www.sahajhome.com
- www.jyaphgroup.com
- www.phoneking.com

ANNEXURE - 2

- 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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