

► Homkar Akshay Dilip

Dnyan-Ganga, 46, Shukrawar Peth,
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Objectives

Assistant Professor looking for a position at a institute, where I can apply my teaching experience, STEM-oriented instruction, technology, and curriculum development skills to support student growth and success.

Education

- M.E. in Computer Engineering, from JSPMS's Jayawantrao Sawant College of Engineering, Hadpsar, Pune with First class with Distinction 8.110 CGPA in final year October 2017.
- B.E in Information Technology from P.V.P. Institute of Technology, Budhgaoan, Sangli with First class with Distinction 66.86% in final year November 2007.
- Diploma in Electrical Engineering with First class, 62.23% from Govt. Polytechnic, Karad in May 2004.
- SSC Passed in Second class, 56.53% from Tilak High school, Karad in March 2000.

Projects

- Online Examination Management System for taking Online Examination.
- Management Information System (MIS) for College and School.
- Reveal IP Spoofers Location from Route Backsatter and Passive IP Traceback (NS-3)
- Railway Announcement System Using GPS (final year) Duration: 1 Year, Team size: 4 Tools: JDK, Rational Rose, Microsoft SQL server 2000, GPS Toolkit
- Mini Project (Third Year): Library Management System Duration: 1 Month, Team size: 4 Tools: VB, MS Access, Windows.

- Design, Development and Maintenance of Government Polytechnic, Karad's website.
- Design, Development and Maintenance of Examination Center Management System web application.
- Design, Development and Maintenance of Government Polytechnic, Karad's Regional Assessment web application.

Experience

Assistant Professor (18/06/2017 –18/05/2020)

Dnyanshree Institute of Engineering and Technology (A/P-Sonwadi-Gajavadi, Sajjangad Road, Satara - 415013)

Responsibilities Handled:

- Teaching.
- Instruction in Laboratory.
- Student's practical assessment and evaluation.
- Developing learning resources and laboratory development.
- Assisting in departmental administration.
- Curriculum designing of Web and Network related courses
- Network Management and Administration.
- Installation and Maintenance of Wi-Fi Network in the Campus.
- Installation and Management of UTM (pfsense).
- Installation and Management of Core Switch and other manageable switches.
- Management of College Website.
- Management of Mail Server.
- Installation and Management of Intranet applications (Library Software, Moodle, Own Cloud, etc.).
- Establishment and Management of Computer Center having 72 Computers.
- Consultancy and Testing Computer and Networking Equipments.
- Role in Software and Computer and Networking Hardware Procurement
- Role in First Year Admissions Process
- Coordination in University Online activities
- Coordination in Placement Examination
- Developed MIS application for college and School.

Subject Taught :

- Computer Hardware and Networking
- Network Technology
- Advanced Database System
- HTML
- Scripting Languages
- Storage Area Network
- Cyber Laws
- Computer Networks
- Distributed System

System Analyst (11/08/2014 –11/04/2017)

Government College of Engineering, Karad (A/P-Vidyanagar, Saidapur, Karad - 415124)

Responsibilities Handled:

- Network Management and Administration.
- Played major role in Campus Wide Networking implementation under TEQIP-II Project (Budget 1.5 Crore) having Data Center and RDC (Documentation, Design and Implementation).
- Installation and Maintenance of Wi-Fi Network in the Campus.
- Installation and Management of UTM (Cyberoam and Websense).
- Installation and Management of Core Switch and other manageable switches.
- Management of College Website.
- Management of Mail Server.
- Installation and Management of Intranet applications (Library Software, Moodle, Own Cloud, etc.).
- Establishment and Management of Computer Center having 150 Computers.
- Integration of Payment Gateway.
- Consultancy and Testing Computer and Networking Equipments.
- Role in Software and Computer and Networking Hardware Procurement
- Role in First year Admissions Process
- Management of DTE-MIS, Institute MIS, AISHE
- Coordinator in UGC committee
- Coordination in University Online activities
- Coordination in Placement Examination
- Coordination in NBA Committee visit activity
- Teaching.
- Instruction in Laboratory.
- Student's practical assessment and evaluation.
- Developing learning resources and laboratory development.

- Assisting in departmental administration.
- Curriculum designing of Web and Network related courses

Subject Taught :

- Advanced Unix System
- Web Technology
- Scripting Languages

Visiting Lecturer (01/07/2009 –23/03/2014)

Government Polytechnic, Karad (A/P-Vidyanagar, Saidapur, Karad - 415124)

Responsibilities Handled:

- Teaching.
- Instruction in Laboratory.
- Student's practical assessment and evaluation.
- Developing learning resources and laboratory development.
- Assisting in departmental administration.
- Network Management and Administration.
- Installation and Maintenance of Wi-Fi Network in the Campus.
- Development and Management of College Website.
- Development and Management of Examination Center Management System
- Development and Management of Regional Assessment Center Management System

Subject Taught :

- Network Management and Administration
- Computer Network
- Computer Architecture and Maintenance
- Visual Basic
- Computer Fundamentals
- Computer Workshop

Customer Support Engineer (14/02/2008 –31/05/2008)

AARGEE SYSTEMS (Neutral Service Provider for HP), (Tilak Road, Pune)

Responsibilities Handled:

- Troubleshooting for Desktops, Workstation and Servers.
- Installation (Desktops, Workstation and Servers).
- LAN Connectivity.

Certifications

Sr. No.	Name of Topic for FDP	Organizing Institute	Mode	Year of Certification
1	Creating Open Source Cloud based Gnomio Moodle of your own Subject for OBE	AICTE-UKIERI, DYPCOE, Akurdi (online)	Online	2019
2	Comp TIA Security+ Certification (SY0-401)	Udemy (online)	Online	2019
3	Learn Linux in 5 days and Level up your Career	Udemy (online)	Online	2020
4	The Ultimate Dark Web, Anonymity, Privacy & Security Course	Udemy (online)	Online	2020
5	Digital Forensics and Security Research	Govt. College of Engineering, Karad (TEQIP-III)	Online	25th Apr 2020 to 29th Apr 2020
6	Industrial IoTs, Industry 4.0 & Disruptive Technologies	Dr. B. A. Technological University, Lonere (Maharashtra) and Sponsored by TEQIP-III	Online	May 05-10, 2020
7	Autopsy Basics and Hands On (8-Hours)	Basis Technology	Online	2020
8	Beginner PHP and MySQL Tutorial	Udemy (online)	Online	2020
9	Network Forensics	Linkedin Learning	Online	2020
10	Learning Path: Wireshark - The Advanced Network Analysis Tool	Udemy (online)	Online	2020
11	NetSim Webinar – BATU	TETCOS Ltd	Online	13th May 2020
12	National CoE Webinar on "DIGITAL FORENSICS..... Recent developments, career building"	DSCI	Online	15th May 2020

Skills

- Network Security (Tails, Quebes, Firewall – Pfsense, OPNSense, Zeroshell, Wireshark, NMAP, Port Scanner)
- HTML, PHP (Core, Laravel, CodeIgniter), MySQL
- Linux Server : Cent OS, Ubuntu (Installation, Management, Customization)
- Windows Server : 2008 / 2012 / 2016 (Installation, Management, Customization)
- Digital Forensic (Autopsy, FTK Imager, Magnet RAM Capture, Wireshark)

Paper Publications:

- **Paper Name:** Reveal IP Spoofers Location from Route Backscatter and Passive IP Traceback
Author: Akshay Homkar, Sandip Satav, DRP
Publication : International Journal of Emerging Science and Engineering (IJESE)4 (7), 4
Year: 2016
- **Paper Name:** Reveal IP Spoofers Location from Route Backscatter and Passive IP Traceback
Author: Akshay Dilip Homkar, SDS
Publication : International Journal of Science and Research (IJSR) 6 (7), 4
Year: 2017
- **Paper Name:** MIS based School Administration System
Author: ADH 1Salunkhe Sonali N., 2Dike Vijaya. H., 3Kadam Amruta V., 4Kumbhar ...
Publication : International Journal of Scientific Development and Research (IJS DR) 4 (4), 4
Year: 2019

Personal Profile:

Name	:	Akshay Dilip Homkar
Date of Birth	:	10 th August 1985
Gender	:	Male
Father's name	:	Dilip Dnyanoba Homkar
Marital Status	:	Married
Language Known	:	English, Hindi, Marathi
Permanent Address	:	Dnyan-Ganga, 46, Shukrawar Peth, Near Namdev Mandir, Karad-415110, Dist- Satara Maharashtra.
Mobile Number	:	+918275278587
Email Address	:	homkarad@gmail.com

Declaration:

I hereby declare that the information furnished above is true to the best of my knowledge.

DATE:

PLACE:

[Homkar Akshay Dilip]