Homkar Akshay Dilip

Dnyan-Ganga, 46, Shukrawar Peth,
Near Namdev Mandir, Karad.-415110
Taluka-Karad, District-Satara
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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 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 and Head, Computer Center (01/07/2023 – Till Date)
KES's Rajarambapu Institute of Technology (A/P-Rajaramnagar, Sakharale Islampur, Sangali - 415414)

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.
- Installation and Management of UTM (Sophos).
- Installation and Management of CCTV in the Campus.
- Installation and Management of Core Switch and other manageable switches.
- Development and Management of College Website.
- Management of Mail Server, MS Team.
- Development and Management of Intranet applications (Moodle, DVS, Hall Booking system, exam block management system etc.).
- Role in Software and Computer and Networking Hardware Procurement
- Coordination in AICTE Online committee
- Coordination in Online activities
- Coordination in NAAC/NBA Committee visit activity

Assistant Professor and Head, Computer Center (01/07/2022 – 31/05/2023)
KES's Rajarambapu Institute of Technology (A/P-Rajaramnagar, Sakharale Islampur, Sangali - 415414)

Responsibilities Handled:

- Teaching.
- Instruction in Laboratory.
- Student's practical assessment and evaluation.
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- Installation and Maintenance of Wi-Fi Network in the Campus.
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- Development and Management of College Website.
- Management of Mail Server, MS Team.
- Development and Management of Intranet applications (Moodle, DVS, Hall Booking system, exam block management system etc.).
- Role in Software and Computer and Networking Hardware Procurement
- Coordination in AICTE Online committee
- Coordination in Online activities
- Coordination in NAAC/NBA Committee visit activity

Assistant Professor (15/07/2021 – 31/05/2022)
KES's Rajarambapu Institute of Technology (A/P-Rajaramnagar, Sakharale Islampur, Sangali - 415414)

Responsibilities Handled:

- Teaching.
- Instruction in Laboratory.
- Student's practical assessment and evaluation.

- Developing learning resources and laboratory development.
- Assisting in departmental administration.

Assistant Professor (18/06/2017 – 30/06/2021)
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 Equipment's.
- 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/STTP/Certification course	Organizing Institute	Mode	Year of Certification
1	Current Trends and Future Opportunities in Cloud Computing and Big Data	Government College of Engineering, Karad	STTP-Offline	15-12-2014 to 19-12-2014
2	Recent Trends, Challenges and Opportunities in e-Governance	Government College of Engineering, Karad	STTP-Offline	11-05-2015 to 15-05-2015
3	Advanced Techniques to Write and Present Research Paper	JSPM's Jaywantroa Sawant College of Engineering, Hadapsar Pune	One Day Workshop	22-09-2015
4	Pedagogy to Synergogy - An Innovative strategy for Progressive	Government College of Engineering, Karad	STTP-Offline	30-05-2016 to 03-06-2016
5	Python Programming	RWMCT's Dnyanshree Institute of Engineering and Technology	FDP	16-02-2018
6	Creating Open Source Cloud based Gnomio Moodle of your own Subject for OBE	AICTE-UKIERI, DYPCOE, Akurdi (online)	Online	2019
7	Comp TIA Security+ Certification (SY0-401)	Udemy (online)	Online	2019
8	Learn Linux in 5 days and Level up your Career	Udemy (online)	Online	2020
9	The Ultimate Dark Web, Anonymity, Privacy & Security Course	Udemy (online)	Online	2020
10	Digital Forensics and Security Research	Govt. College of Engineering, Karad (TEQIP-III)	Online	25th Apr 2020 to 29th Apr 2020

11	Industrial IoTs, Industry 4.0 & Disruptive Technologies	Dr. B. A. Technological University, Lonere (Maharashtrta) and Sponsored by TEQIP-III	Online	May 05-10, 2020
12	Autopsy Basics and Hands On (8-Hours)	Basis Technology	Online	2020
13	Beginner PHP and MySQL Tutorial	Udemy (online)	Online	2020
14	Network Forensics	Linkedin Learning	Online	2020
15	Learning Path: Wireshark - The Advanced Network Analysis Tool	Udemy (online)	Online	2020
16	NetSim Webinar – BATU	TETCOS Ltd	Online	13th May 2020
17	National CoE Webinar on "DIGITAL FORENSICS….. Recent developments, career building"	DSCI	Online	15th May 2020
18	One Week Online Workshop on NAAC Accreditation Process	PES Modern College of Arts, Science and Commerce (Autonomous) Shivajinagar, Pune - 411005	Online	15 April 2021 to 22 April 2021
19	Webinar on NEP-2020	SGMCOE, Mahagaon	Online	28 April 2021 to 30 April 2021
20	Webinar on Quality Sustenance in Higher Educational Institutions	AISSMS College of Engineering, Pune-01	Online	10 May 2021
21	Cyber Security and Incident Analysis: A Practical and Investigative approach	ATAL	Online	Sep-2021
22	Getting Started With CSI Linux	CSI Linux	Online	Nov-2021

23	IIEECP	IUCEE	Online	Spring 2022
24	FDP: Elevated Analytics: Blockchain Deals with Big Data	NIT, Warangal	Online	August -2022
25	Double Your Web Hacking Rewards with Fuzzing	Infosys Springboard	Online	Jan 2022
26	Web Security	Infosys Springboard	Online	Mar 2022
27	Two days Induction Program	RIT	Offline	Dec-2022
28	Intrusion Detection: Best Practices	Infosys Springboard	Online	APR – 2023
29	Network Survey & Extraction: Network Analysis	Infosys Springboard	Online	APR – 2023
30	The Modern Angular Bootcamp	Udemy	Online	June – 2023
31	Curriculum framework in line with NEP 2020, OBE and AI Advancements	Internal Quality Assurance Cell (IQAC) in association with The Kerala State Higher Education Council	Online	October 2023
32	Research Methodology using ChatGPT & AI tools and Funding Opportunities for Research	Internal Quality Assurance Cell (IQAC) in association with The Kerala State Higher Education Council	Online	December 2023
33	Google Cybersecurity Certificate	Coursera	Online	December 2023

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:

Sr. No.	Title of Paper	Type Of Research	Name Of Authority	Year Of Approval	Status
1	Effective Conduction of Laboratory Courses in Online Learning using Virtual Lab	Paper	JEET	2023	Published
2	Smart Garbage Management System	Paper	IUCEE- Mini-Symposium	2022	Published
3	CYBERATTACK: ABNORMAL BEHAVIOUR DETECETION AND NETFLOW MONITORING WITH CEPH	Paper	Kalasarovar journal	2021	Published
4	Data Auditing using TPA	Paper	Kalasarovar journal	2021	Published
5	HYBRID ANOMALY INTRUSION DETECTION SYSTEM	Paper	Kalasarovar journal	2021	Published

6	MIS based School Administration System	Paper	International Journal of Scientific Development and Research (IJSDR)	2019	Published
7	Reveal IP Spoofers Location from Route Backscatter and Passive IP Traceback	Paper	International Journal of Science and Research (IJSR)	2017	Published
8	Reveal IP Spoofers Location from Route Backsatter and Passive IP Traceback	Review	International Journal of Emerging Science and Engineering (IJESE)	2016	Published

Personal Profile:

Name	:	Akshay Dilip Homkar
Date of Birth	:	10th August1985
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	:	akshayhomkar@gmail.com

Declaration:

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

DATE:

PLACE:

[Homkar Akshay Dilip]