MADHAV GOPAL SHARMA

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Date of Birth: January 25, 1979.

Resume

Professional Summary

IT Infrastructure,3D printing and Research Lab Specialist with over 20 years of experience in system administration, network security, academic research, and development of advanced simulation environments. Proven expertise in establishing research labs, managing IT infrastructure, mentoring M.Tech. and Ph.D. students, and contributing to national projects under NMEICT. Skilled in both academic and corporate IT environments, combining technical expertise with leadership in research and teaching.

Education

- **M.Sc. (Computer Science)** from IASE Deemed University, Sardarshr (Raj.).
- **B.Sc. (Electronics)** from Lachoo Memorial College of Science and Technology (Rajasthan's First Model and now Autonomous College selected by Govt. of Raj.), Jodhpur (Raj.).

Professional Experience

[1] Mody University of Science and Technology | Research CSPG Lab Incharge (Oct 2008 – Present)

Managing research CSPG Lab for Postgraduate students,

Developed simulation environments,

3D Printing Allocation slot, Training the students as well as the faculty members,

Design optimization and management

Teaching Assistant & System Administrator under NMEICT NMEICT (MHRD, Govt. of India)

Established R&D Lab for Mobile Ad-Hoc Networks & Grid Computing

[2] Shekhawati Engineering College | Network & System Incharge (Jun 2004 – Sep 2008)

Oversaw IT infrastructure setup & maintenance

Supported database & application integration

Managed system security and performance monitoring

Specialization

- **3D Printing** Allocation slot, Training the students as well as the faculty members, Design optimization and management
- **Simulators:** Handling of NS2, Qualnet.
- **Programming Language: -** C, C++.
- **Database:** - SQL, DB2 IBM, Oracle 10g (Standalone and Network Access) and onwards (Provide technical support for application systems integration with database server and application).
- **Server OS: -** MS Windows NT Server4.0, MS Windows 2000 Server, Win2003 Server, MS Windows 2008 Server and onwards.
- **Desktop OS: -** DOS, MS Windows 9x, MS Windows 2000, MS Windows XP, MS Windows Vista, MS Windows 7, MS Windows 8, MS Windows 8.1, MS Windows 10, MS Windows 11.
- **Linux Version:-** SUSE, Ubuntu.
- Designing, Establishment and Administration of network on MS Windows Server OS with MS Windows 2000/ME/XP/7/8/8.1/10. Managing users and groups, creating Domain Controller, Backup Domain Controller, Active Directory Structure (ADS) and Trust Relationship, DHCP, DNS, Maintaining Security, Creating Workgroups. Sharing Resources, Quota Management and Defining User Access to shared resources in MS Windows Server/Client environment.
- Installation, Administration and Maintenance of MS Windows ISA firewall with all its roles.
- Installation, Administration and Maintenance of different kind of Antivirus Servers like TrendMicro, Kaspersky and the client integration with it.
- Worked with the management team to develop security policies and conducted network systems security auditing.

- System Integration, troubleshooting of hardware components and peripherals. Installing different kinds of Operating System and software's.
- Installation, Administration and Maintenance of MS Windows Server family.
- Configuring Print Services, DHCP, DNS, WINS, TCP/IP, and Remote Access Administration.
- Configuring & Operating Network Devices.
- Peer-to-Peer Network Configuration.
- Client-Server based network configuration.
- Performance Monitoring and Log analyzing.
- Internet & Intranet installation and Maintenance
- Analyzing the Network Performance & implement the guideline for Network Security.
- **Virtualization**:- Oracle Virtual Box, Brief knowledge of Azure
- Android OS Lab Setup.

Development

[1] Play the key role of Teaching Assistant for Development of the Participating Remote Centre under **NMEICT (National Mission on Education through ICT (MHRD, Govt. of India))** at Mody University of Science and Technology, Laxmangarh for workshops conducted by IIT Kharagpur and IIT Mumbai jointly.

[2] Play the key role of System Administrator for Development of the Participating Remote Centre under **NMEICT (National Mission on Education through ICT (MHRD, Govt. of India))** at Mody University of Science and Technology, Laxmangarh for workshops conducted by IIT Kharagpur and IIT Mumbai jointly.

[3] Developed Simulation environment in the Lab using NS2 (Linux Based over Suse and Ubuntu), MATLAB (MS Window Based) and OMNET++ simulators for the research purpose of M.Tech. and Ph.D. students.

[4] Research and Development Lab for **Mobile Ad-Hoc Network and Grid Computing**.

[5] Digital Library Establishment for online technical journals and e-resources accessing.

Member of Professional Bodies

[1] Individual Member of CSI.

[2] Individual Member of CSTA (Computer Science Teachers Association) Membership Number: 6455751.

[3] Member of International Association of Engineers (IAENG) Membership Number: 119791.

[4] ISOC Global member

[5] IIST (International Institute For Software Testing) Member

Training/Workshop

[1] Successfully completed with certificate of merit, the certificate course on **Machine Learning for Earth System Modelling**, conducted by European Center for Medium Range Weather Forecasts on March-April, 2026

[2] Successfully completed with certificate of merit, the certificate course on **Geodata Processing using Python and Machine Learning**, conducted by IIRS-ISRO Dehradun (UK) on March, 2026

[3] Successfully completed with certificate of merit, the certificate course on **Remote Sensing & GIS Applications in Natural Resource Management**, conducted by IIRS-ISRO Dehradun (UK) on Dec, 2025.

[4] Successfully completed with certificate of merit, the 2 weeks certificate course on **Overview of Geographical Information System**, conducted by IIRS-ISRO Dehradun (UK) on Oct-Nov, 2025.

[5] Successfully completed the 2 days workshop on Artificial Intelligence and DeepLearning, conducted at Mody University on April 13-14, 2019.

[6] Successfully completed 2 days IBM DB2 Faculty Development Training Programme at Mody University.

[7] Successfully conducted 2 days workshop on MS Excel Learning.

[8] Study of MS Windows based Server Installation, Configuration and Maintenance, at STEPS Network Academy, Jaipur.

[9] Study of Network Construction and Maintenance in MS Windows environment, at STEPS Network Academy, Jaipur.

Sports and other Achievements

[1] Represented Nagaur district in State Level Table Tennis Championship in 1995, Bhinmal (Jalor, Rajasthan).

[2] Very good player of Basket Ball.

Hobbies

Working with Computer and Internet Surfing to enhance the knowledge in the relative field, Reading Technical Magazines, Hindi Literature, Listening to Music, Gardening, and Sports.

Personal Details

Father's Name : Late Mr. K. G. Sharma

Nationality : Indian

Marital Status : Married to Dr. Manisha Sharma

Correspondence Address

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Date: **Madhav Gopal Sharma**