Narendra Kumar Chahar

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EXPERIENCES

- Assistant Professor in Department of Computer Science & Engineering at Jayoti Vidyapeeth Women's University, Jaipur (Sept 2021- Present)

- Subject matter expert (Q&A and Textbook Solution Expert) in Chegg India Pvt. Ltd. (Feb 2020 – Present) as a Freelancer

EDUCATIONAL QUALIFICATIONS

- Master of Technology (Computer Science & Engineering) with specialization in Information Security from Central University of Rajasthan, Ajmer. (2019-2021)
  Aggregate: CGPA 7.39/10 or 73.9%

- Bachelor of Technology (Computer Science & Engineering) from College of Engineering & Technology, Bikaner (Rajasthan) 2013-2017
  Aggregate: 61%

- Senior Secondary (XII) from Prince School, Sikar (Board of Secondary Education Rajasthan) 2013
  Aggregate: 73.8%

- Secondary (X) from Subhash Vidhya Mandir Sr Sec Sch, Sevad Bari (Board of Secondary Education Rajasthan) 2010
  Aggregate: 88.17%

ADDITIONAL QUALIFICATIONS AND ACCOMPLISHMENTS

- Qualified **UGC-NET for Assistant Professor** in Computer Science and Applications (June 2020)
- Finalist of first edition of **Smart India Hackathon** (SIH'2017)
  Contributed to development of an application "*Predict rainfall based on 100 years of historical data and create a farmer support system*" under the Ministry of Environment, Forest and Climate Change, Govt. of India at Coimbatore, Tamilnadu.
- **Red Hat Certified System Administrator** (RHCSA) (Credential ID: 190-135-939)
- **Google IT Support Specialization**
  (Credential ID: coursera.org/verify/professional-cert/WMRDPMQUFGJ8)

RESEARCH INTERESTS

Information Security, System Security, Computer Networks, Operating Systems, Blockchain, Cloud Computing

RESEARCH PUBLICATIONS

"Computer Network Security" in International Journal of Innovative Science and Research Technology (IJISRT) (SJIF Impact factor 6.253)

SKILLS SUMMERY

- Computer Programming Languages: C, C++, Shell Scripting
- Database: MySQL
- Operating Systems: Red Hat, CentOS, Ubuntu, Windows
- Cloud Services: Amazon Web Services (AWS)

ACADEMIC PROJECTS

M.Tech Thesis:
Title: **Simplified Micropayment Mechanism for Electronic Commerce**
Summary: In the thesis, a mechanism is proposed for micropayments and it has two major parts i.e., the proposed protocol and saving the transaction data to a blockchain. So, the first part is completely done with the security analysis of proposed protocol. The protocol found secure analyzing formally and using standard automated tool for security analysis of protocols.

M.Tech Minor Project:
Title: **Secure Key Establishment Mechanism in Internet of Nano-Things** *Summary*:
Designed a lightweight protocol for key establishment between two entities in a network.

B.Tech Major Project:
Title: **Advanced Installation and Deployment** solutions for computer labs
Summary: Inspired from computer labs in college where installation of operating system and services/softwares done using CD or pendrive manually. Extending the minor project, a complete solution given by creating a server providing kickstart using CentOS operating system to install Linux and Windows on any system on a single click from server. Also, it provides services i.e., FTP, DHCP, Samba.

B.tech Minor Project:
Title: **Preboot execution Environment Server**
Summary: Created a server with PXE boot that provides the service to install operating system using IP address and DNS, provides FTP service.

TRAINING AND WORKSHOPS

- Two days **Faculty Development Program** at Jayoti Vidyapeeth Women's University Jaipur (Oct 2021)
- Participated in a three days national workshop on **"Securing the Smart cities with Internet of Things (IoT) and Block Chain"** (March 2020) at Central University of Rajasthan, Ajmer
- Participated in National conference on **"Emerging Trends in Engineering"** (Feb 2017) at College of Engineering and Technology, Bikaner
- A six weeks training on **CentOS Linux** (June-July, 2016) at/from Center for e-Governance, Jaipur
- A three days' workshop on **"Cloud Computing-IAAS"** (September 2016) at College of Engineering & Technology Bikaner from Center for e-Governance, Jaipur

EXTRA CIRCULAR ACTIVITIES

- Student Council Member and Volleyball club member at Central University of Rajasthan
- NCC cadet (Rank: Senior Under Officer) and representative of college (Obtained 'A' grade in NCC 'C' Certificate)
- Sports Coordinator of college and volleyball team player at CET, Bikaner

PERSONAL INFORMATION

Father's Name	:	Sanwar Mal
Date of Birth	:	July 15, 1995
Gender & Marital Status	:	Male & Single
Nationality	:	Indian
Languages Known	:	Hindi, English

I vouch for the authenticity of the above-mentioned information.

Narendra Kumar Chahar