

SUHAIL AHMAD

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OBJECTIVE

To impart technical education which will be globally acceptable and to excel in the field of engineering & problem solving. Fields of interest include Software Defined Networking, Network Security, Computer Networks, Object Oriented Programming, Operating Systems and R & D.

EDUCATION

- 2023** **Ph. D from National Institute of Technology, Srinagar**
Topic of Research: Enhancing Reliability and Security in Software Defined Networks.
- 2011** **Master of Technology degree in Communication and Information Technology, from National Institute of Technology, Srinagar with CGPA of 8.702 out of 10 and secured 2nd position overall.**
Core courses: Network Security, Computer Networks, Embedded systems, Computer Vision & Artificial Intelligence, DBMS, HTML and Java script, Advanced Computer Architectures, Digital Communications, Wireless Communication, Image Processing and Software Engineering.
Thesis work: “Latency Evaluation of Extensible Authenticating Protocols in WLANs” and secured A+ in thesis work.
- 2008** **Bachelor of Engineering degree in Computer Science & Engineering, from S.S.M College of Engineering and Technology, affiliated to University of Kashmir with an aggregate percentage of 79.7% and secured 1st position overall (Gold Medalist).**
Project Work: “Design and Development of Real Estate website in ASP.NET (with back-end SQL server-2005)”
- 2003** **Higher Secondary Schooling and Pre-University (‘A’ Levels) from Iqbal Memorial Institute, Srinagar, J & K Board of School Education with an aggregate percentage of 75%.**
- 2001** **High School (‘O’ Levels) from J & K Board of School Education with an**

aggregate percentage of **65%**.

ADDITIONAL QUALIFICATIONS

Qualified Graduate Aptitude Test in Engineering (**GATE-2007**) in Computer Science & Engineering with **All India Rank = 596**.

PUBLICATIONS

JOURNALS

- **Suhail Ahmad** and A.H Mir, “*Protection of centralized SDN control plane from high-rate Packet-In messages*”, in the International Journal of Information Security, Springer, 2023, 22(5): 1-12.
- **Suhail Ahmad** and A.H Mir, “*Securing Centralized SDN Control with Distributed Blockchain Technology*”, in the International Journal of Computer Science, AGH University of Science and Technology, 2023, 24(1): 5-30
- **Suhail Ahmad** and A.H Mir, “*SDN Interfaces: Protocols, Taxonomy and Challenges*”, in the International Journal of Wireless and Microwave Technologies, MECS Press, 2022, 12(2): 11-32.
- **Suhail Ahmad** and A.H Mir, “*Scalability, Consistency, Reliability and Security in SDN Controllers: A Survey of Diverse SDN Controllers*”, in the International Journal of Network and System Management, Springer, 2020, 29(9): 1-59.
- **Suhail Ahmad** and A.H Mir, “*Performance Evaluation of Protocol Independent Multicast Routing Protocols in IP Networks*”, in the International Journal of Computer Networks and Wireless Communication, IRCST, 2018, 8(3): 72-77.
- **Suhail Ahmad**, Wajid Ali Hamdani, Mohsin Hassan Magray, “*Performance evaluation of IPv4 and IPv6 over MPLS using OPNET*”, in the International Journal of Computer Applications, Volume 125, No. 3, 2015 Published by Foundation of Computer Science (FCS), NY, USA.
- **Suhail Ahmad** and A.H. Mir, “*The Key Functions for Cognitive Radios in Next Generation Networks: A Survey*”, in the International Journal of Innovative Research in Technology & Science (IJRTS), volume 2, issue 2, 2013.
- **Suhail Ahmad**, A.H Mir and G.R Beigh, “*EAP-SAM: A Simple Authentication mechanism for mutual authentication in EAP enabled WLANs*”, in the International Journal of Computer Science and Telecommunication (IJCST), issue 4, version 3, 2012.

CONFERENCES

- Aroof Aimen, Saalim Hamid, **Suhail Ahmad**, Mohammad Ahsan Chisti, Surinder Singh Khurana, Amandeep Kaur, “*Handover between Wi-Fi and WiMAX Technologies Using GRE Tunnel*”, in proceedings of Advances in Intelligent Systems and Computing (AISC) series of Springer, 2017 (2nd International

Conference on Advanced Computing and Intelligent Engineering 23-25 November, 2017)

- **Suhail Ahmad** and A.H Mir, “Centralized Routing in Comparison with Legacy Distributed Routing”, 13th Session of Jammu and Kashmir Science Congress, 2018
- **Suhail Ahmad**, A.H Mir and G.R Beigh, “*Latency Evaluation of Extensible Authentication Protocols in WLANs*”, in the proceedings of 5th IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS), December 2011.

WORKSHOPS

- **Suhail Ahmad** and Aashish Siotra, “*Survey of WLAN Security Protocols*”. Paper published in the proceedings of workshop on Recent Trends in Engineering and Technology, 16th November 2011.

PROFESSIONAL EXPERIENCE

➤ **TEACHING EXPERIENCE**

- Ten years teaching experience as Assistant Professor at Department of Computer Science & Engineering, North Campus, University of Kashmir. (9th Oct. 2012 to till date).
- One-year teaching experience as Assistant Professor (Contractual) at National Institute of Technology, Srinagar (August-2011 to October-2012).
- Seven months experience as Lecturer at KITE Polytechnic, Srinagar (March-2009 to September-2009).

➤ **ADMINISTRATIVE EXPERIENCE**

- 3 years as Coordinator of Computer Science & Engineering Department, North Campus, University of Kashmir.
- 1 year as Proctor of North Campus, University of Kashmir.
- 1 year as Jt. Warden Boys Hostel of North Campus, University of Kashmir.
- 2 years as Nodal Officer of IQAC/DIQA/AISHE/GATI, North Campus, University of Kashmir.

➤ **SOFTWARE DEVELOPMENT EXPERIENCE**

- Designed and developed a real-estate website in ASP.Net (using C#, VB.Net), SQL Server 2005, CSS, Java script.
- Designed and developed a web-based Invoice System in ASP.Net (using C#, VB.Net), SQL Server 2005, CSS, Java script.
- Designed and developed a Job website in ASP, Java script, VB script, HTML and Ms. Access.

PROFESSIONAL TRAINING, WORKSHOPS ATTENDED

- Three weeks training on Network Administration in Linux, at NITTTR, Chandigarh, 2007.
- Three months training course in ASP.NET using C# and VB.NET, from DOEACC, Rangreth, Srinagar, 2008.
- Two-week ISTE WORKSHOP on Database Management Systems Conducted by Indian Institute of Technology, Bombay from 21st to 31st May, 2013
- Faculty Development Programme on Networking & Security at IUST, Awantipora on 23rd Nov., 2013
- Participated in 4-week UGC Sponsored 64th General Orientation Course organized by UGC-Academic Staff College, University of Kashmir, from 17th February 2014 to 17th March 2014.
- Participated in Workshop on "Telecommunication Networks with State-of-the-Art Hands-on Experiments", organized by Indian Institute of Technology Kharagpur, from 01-07-2014 to 08-07-2014
- Participated in Workshop on "Open Source Technologies", organized by National Institute of Technology, Srinagar, from 25-05-2014 to 29-05-2014
- Attended a Two Week ISTE STTP Workshop on " Introduction to Design of Algorithms", organized by IIT Kharagpur, from 25-05-2015 to 30-05-2015
- Attended a Workshop on "WEB TECHNOLOGIES", organized by ELANCE Technologies with Ministry of Corporate Affairs, Govt. of India, from 09-12-2015 to 10-12-2015
- Attended 3-week Special Winter School on the theme "Towards Excellence in Higher Education" organized by UGC-HRDC, University of Kashmir, Srinagar from 15th February 2017 to 8th March 2017.
- Participated in Conference on Software Engineering and Data Sciences (CoSEDS) organized by Department of Computer Sciences, North Campus, University of Kashmir from 20th June to 21st June 2018.
- Attended 2 Weeks Winter School for Engineering Streams, organized by UGC-HRDC Sri Mata Vaishno Devi University, Katra, J&K from 16th Feb to 1st March 2019.
- Attended 1 Week Workshop on Recent Research Trends in Information Technology, organized by IUST Awantipora from 12th Sept. to 18th Sept. 2020.
- Attended 2 Weeks refresher course on Blockchain Technology, organized by UGC-HRDC, Jawaharlal Nehru Technological University, Hyderabad, from 7th Dec. to 21st Dec. 2020.
- Attended 2 Weeks refresher course on Information Technology, organized by UGC-HRDC, University of Kashmir, from 23rd Feb. to 8th March 2022.
- One Day Training Workshop for DIQA Nodal Officers at University of Kashmir, on 22nd Sept. 2022

PROFICIENCY

Language	Compiler/Platform/Version
C (Structured)	Turbo
C++ (Structured & Object Oriented)	Turbo, Microsoft Visual C++ 6.0
C#	Visual Studio 2005 and 2008
Java, Javascript	Borland Jbuilder 3, and 5
Web server language: ASP, ASP.Net	Windows 2000/XP/07
Assembly Language	Intel 8085/8086
Web client languages: HTML, Javascript	Windows 2010/07
Databases: Microsoft Access, SQL-2005, ORACLE	Windows 2010/07
Very High-Speed Integrated Circuit Hardware Description Language (VHDL)	Unix/linux

Capable of installation & configuring of networking devices such as router, access point, server and Network Operating Systems.

Familiar with Microsoft Windows (9X/NT/2000/XP/Vista/7/10), Linux (Red Hat/Ubuntu/Fedora) and MAC. Installation of multiple boot machines and experience in general troubleshooting of applications in Windows/Linux/MAC.

Competent with hardware, experience in assembling & general troubleshooting of personal computers from major vendors like IBM, DELL, SONY and HP.

Well versed with software's such as:

- ❖ Mininet: SDN Networking Emulator
- ❖ Floodlight: SDN Controller and other Controllers
- ❖ Microsoft Office 2007/2010/2016, Microsoft FrontPage.
- ❖ Matlab
- ❖ Network Simulator (NS-2, NS-3), – Linux & Windows Platform
- ❖ Dream Weaver, Filezilla

PROFESSIONAL PROFILE

- Fast Learner, Outgoing and pleasant.
- Highly organized and dedicated with a positive attitude.
- Able to work hard independently or in a team.
- Have good written, oral and interpersonal communication skills.

- Thrive on working in a challenging environment.

PERSONAL DETAILS

Date of Birth : 6th December 1985
Gender : Male
Nationality : Indian
Marital Status : Married
Languages : English, Urdu, Hindi and Kashmiri.
Permanent Address : New colony, Batamaloo, Srinagar, J & K, India, 190010.

I do hereby declare that the particulars of information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

Place: Srinagar

Date: 31.07.2023

Suhail Ahmad