

Dr. Syed Mutahar Aaqib

Designation : Assistant Professor

Subject : Computer Science Applications

Area of Specialization : Web Server Architectures, Performance Evaluation,
Scalability, Networking

College : Amar Singh College, Srinagar

Email : syed.auqib@gmail.com

Phone: +91-9419969143



Summary

- Previously worked as District Informatics Officer (Scientific Officer/Engineer- SB) in National Informatics Centre, Government of India (Aug-2011 to December 2016)
- Over 5 years of research and development (R&D) experience in the area of e-governance and service delivery. Facilitated improvement in government services, for wider transparency, promoting decentralized planning and management. Implemented many "network centric" web applications in various ministries and departments, using state-of-the-technology and software tools. On hands experience in the design, development and operationalisation of various governance projects in the areas of Public Administration and Governance like Election, Animal Husbandry, Health, Education, Agriculture & Food, Treasury, Transport, Court Management, Rural Development, Land Records, Culture & Tourism etc.
- During my PhD research programme, I analyzed and studied the performance, scalability and security mechanisms of relatively new and contemporary web server systems. I developed a novel hybrid web server system which exploited the advantages of multi-threaded and event-driven web server architectures. An automated framework for conducting the experimental evaluation of web server system was also developed.
- Currently working as Assistant Professor in J&K Higher Education Department, Government of Jammu and Kashmir.'

Awards and Achievements

- **Gold Medalist**- University of Kashmir, MCA- Batch 2009
- Recipient of INSPIRE AORC Junior/Senior Research Fellowship (JRF/SRF) by Department of Science and Technology, Government of India.
- State Level Master Trainer (SLMT) For Election Commission of India (ECI)

Workshops, Seminars, Symposia and Conferences attended

- Delivered a Talk on *Career Progression in Higher education-API and PBAS* to Newly Appointed Assistant Professors during 5-day training programme at Amar Singh College.
- Attended 6-day induction Programme at IASE, College of Education Srinagar.
- Attended one-day training Programme at Nirvachan Sadan, Election Commission of India (ECI)
- Presented a paper in 7th J&K Science Congress at University of Jammu.
- Presented a paper in 6th J&K Science Congress at University of Kashmir.

Research Publications

- "Evaluation and Comparison of Security Mechanisms In-Place in Various Web Server Systems", Syed Mutahar Aaqib and Dr. Lalitsen Sharma, Intelligent and Soft Computing. Networking and Informatics, **Springer**, 2015 (In-Press)
- "Using a Cluster for Efficient Scalability Evaluation of Multithreaded and Event-Driven Web Servers", Syed Mutahar Aaqib and Dr. Lalitsen Sharma, Intelligent and Soft Computing. Networking and Informatics, 243: 627-636, **Springer**, ISSN: 2194-5357, 2014

- "Performance of Web Server Architectures on Single and Multiple Processor Environments-A Review", Syed Mutahar Aaqib and Dr. Lalitsen Sharma, International Journal of Engineering Science & Advanced Technology, 3(1), 08-14, 2013, ISSN: 2250-3676. Impact Factor: 0.765
- "Development and Evaluation of an Experimental Java-based Web Server", Syed Mutahar Aaqib and Dr. Lalitsen Sharma, International Journal of Applied Information Systems, 5(3): 43-46, 2013 Published by Foundation of Computer Science, New York. ISSN: 2249-0868 Impact Factor: 3.23
- "Analysis of Compute Vs Retrieve Intensive Web Applications and Its Impact on The Performance Of A Web Server" Syed Mutahar Aaqib and Lalitsen Sharma International Journal of Advanced Networking and Applications Volume: 03, Issue: 04, Pages: 1233-1239 (2012) Impact Factor : 3.462
- "Analysis of Delivery of Web Contents for Kernel-mode and User-mode Web Servers" Syed Mutahar Aaqib and Lalitsen Sharma International Journal of Computer Applications 12(9):37-42, January 2011. ISBN:987-93-80747-40-2,ISSN: 0975-8887 Published by Foundation of Computer Science, New York Impact Factor: 0.814
- "A Study of Workload Characterization in Web Benchmarking Tools For Web Server Clusters" Syed Mutahar Aaqib and Lalitsen Sharma An International Journal of Engineering Sciences ISSN: 2229-6913/ 2320-0332 Issue Sept 2011, Vol. 4) Impact Factor : 2.010
- "Comparison of Different Web Server Architectures" Syed Mutahar Aaqib and Lalitsen Sharma, Presented in the 7th JK Science Congress at University of Jammu (October 2011)
- "Configuring and Optimizing the Performance of Apache Web Server", Syed Mutahar Aaqib Presented in the 6th JK Science Congress at University of Kashmir (December 2010)

Academic Qualifications

Examination Passed	Board/ University	Subjects	Year	Division / Grade / Merit
SSC	JKBOSE	ENG, MATH, SCIENCE, S.SCIENCE	2000	Ist
Higher Secondary	JKBOSE	ENG, MATH, PHY, CHEM	2002	IIInd
Bachelor's Degree (B.C.A)	University Of Kashmir	BCA	2006	DISTINCTION
Master's Degree (M.C.A)	University Of Kashmir	MCA	2009	GOLD MEDALIST
Ph.D	University Of Jammu	COMPUTER SCIENCE & IT	2014	

Research Experience

Research Stage	Title of Work /Thesis	University where the work was carried out	Year
Ph.D.	To Analyze Performance, Scalability and Security Mechanisms of Apache Web Servers viz-a-viz Contemporary Web Servers	University of Jammu	2014

Teaching Experience

Courses Taught	Name of the University/ College/Institution	Duration
iv) U.G. BCA	Amar Singh College	Since Jan 2017
v) P.G. MCA	University of Kashmir	July- Sept 2009

Extension Work / Community Service

Conducted e-Governance literacy programs in District Reasi from 2011 to 2013 and District Shopian from 2013-2016.

Dated : 20-03-2017

Dr. Syed Mutahar Aaqib
Assistant Professor
Computer Science Applications