

Mohammed Javed

Seeking Higher Challenging Position in Academics and/or Research & Development

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CURRENT ADDRESS

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Job Objective

To excel in my profession and carve a niche for myself by contributing to the Organization and to practice personal integrity and Organizational loyalty which are paramount to me.

Personal Information

Father Name : Mohammed Azam

Mother Name : Momina Begum

Date of Birth : 24-01-1987

Passport Number : G4347837

Nationality : Indian

Educational Background

1. Educational Details:

Degree	Major	Name of the Institution	Year of Graduation
B.E.	Computer Science & Engineering	SJ College of Engineering Mysore	2009 (First Class with Distinction)
M.Tech	Computer Cognition Technology	University of Mysore	2011 (First Rank - CGPA = 10)
Ph.D.	Computer Science & Engineering	University of Mysore	Pursuing since January 2012

2. Thesis Titles:

- **BE (2005-2009)** - " **Securing Multicast Group Communication using JAVA**" under the Supervision of **Dr. Harish B.S.**, Associate Professor, SJ College of Engineering, Mysore
- **MTech (2009-2011)** - " **Tightly Enclosing the Components at Word Level in a Frame Work of Global and Local Analysis for Segmentation of Text Lines**" under the Supervision of **Dr. P. Nagabhushan**, Professor (On Leave), Then, **Principal-BTI**(Bangalore Technological Institute) & **Director-BESTAR**(Bangalore Education Society for Technological Advancement & Research).
- **PhD (Pursuing since Jan-2012)**- " **On the Possibility of Processing Document Images in Compressed Domain**" Under the the Supervision of **Dr. P. Nagabhushan, Professor & Cheif Nodal Officer** - University of Mysore.

Academic / Research Interests

1. Area of Research/Specialization:

- Analysis & Design of Algorithms, Graph Theory, Image Processing, Computer Vision and Pattern Recognition, Machine Learning, Data Compression, Data Processing in Compressed Domain, Document Processing in Compressed Domain, Compressed Image File Formats
- **Other Subjects of Interest:** Data Structures, Dimensionality Reduction, Soft Computing
- **M.Tech** in a specialized area of **Computer Cognition and Recognition**

2. Research Collaborations with various Internationally Reputed Research Labs

- Since, December 2012, I am involved in a research collaborative work on topic " Processing Document Images in Compressed Domain" with **Dr. Bidyut Baran Chaudhuri**, Professor & Head of **Computer Vision and Pattern Recognition (CVPR) Unit, Indian Statistical Institute** - Kolkata, India

3. Research Profiles at International Research Forums

- Google Scholar Citations - <http://scholar.google.co.in/citations?user=EN6ZZmgAAAAJ&hl=en>
- Research Gate - http://www.researchgate.net/profile/Mohammed_Javed3
- DBLP - <http://www.informatik.uni-trier.de/~ley/pers/hd/j/Javed:Mohammed>

Awards / Fellowships / Grants

1. Academic Recognition

- 2003- Best **Outgoing Student** of Ansar High School, Bajpe, Mangalore, India
- 2005- Many **Honorary Awards** during 10+2 State Level PUC Board Examination for scoring **99** in Physics, **98** in Chemistry, **97** in Mathematics and **97** in Computer Science.
- 2005- Awarded with "**The Haji Bava Abdul Khader Memorial Award**", from The Bearys Welfare Association, Bangalore, India
- 2009- Recieved "**Excellence Performance Award of the year 2009**" from **Islamic Development Bank** - Jeddah, Kingdom of Saudi Arabia

2. Research Recognitions

- 2014 - **Best Research Paper Award** for the research paper "**Entropy Computation of Document Images in Compressed Domain**" at International Conference on Signal and Image Processing, held at BNMIT Campus, Bangalore, India

3. Fellowships Awarded

- 2003-2005- Awarded **National Talent Search** Scholarship for a duration of 2 years by **Hamdard Education Society**, New Delhi, India
- 2005-2009- Awarded with **International Scholarship** for BE program at SJ College of Engineering, Mysore from Islamic Development Bank (IDB)- Jeddah, Kingdom of Saudi Arabia.
- 2005-2009 - Recieved Personal Financial Support from Then Chairman " The Foundation Office"- **Himalaya Drug Company**, Makali, Bangalore , India
- 2012 - Awarded with **Maulana Azad National Fellowship**(MANF) for PhD Program from **University Grants Commission**(UGC), **Government of India**.

4. Leadership Awards

- 2008 - Certificate for active participation in a Community Development Workshop held at Hyderabad.
- 2012 - Awarded to participate in **Intenational Global Leadership Program** (Foundation Level) form IRTI, IDB - Jeddah, Kingdom of Saudi Arabia, held at **Kuala Lumpur, Malaysia**.
- 2013 - Awarded to participate in **International Global Leadership Program** (Advanced Level) from IRTI, IDB-Jeddah, Kingdom of Saud Arabia, held at **Kuala Lumpur, Malaysia**.

5. Research/Project Grants

- 2014 - As **Co-Investigator**, a Research Proposal on the theme "**Direct Processing of Compressed Documents**" has been submitted to **Department of Science & Technology (DST), Government of India**, Under the Extra Mural Research Scheme (Under Review)

Related Experience

1. Teaching Experiences (More than 3 Years)

- 2011 - Till Date : **Assistant Professor** at the Department of Computer Science & Engineering, at P.A. Engineering College, Mangalore, Karnataka, India. **Since 2012 on leave from the College to Pursue full time PhD.**

Responsibilites at the College

- [1] Teaching Under Graduate Students (BE) - Web Programming, C# Programming, C Programming, Unix Shell Programming and Operating Systems.
 - [2] Teaching Post Graduate Students(MTech) - Advanced Operating Systems
 - [3] Successfully Supervised 7 batches of Engineering Graduate Students, where each batch consists of 3-4 students
- 2012- Till Date : As a **Research Scholar** at the Department of Studies in Computer Science, University of Mysore, assisting my PhD supervisor at the University to assess the the students under Continuous Assessment Program for subjects such as Advanced Algorithms, Graph Theoretical Algorithms

Responsibilities at the University

- [1] Conducting high quality research and subsequently publish research papers at reputed international research forums
- [2] Assist the Post Graduate students at the University to complete their assignments as a part of regular course
- [3] Motivate and Guide the Post Graduate students enrolled for Projects under the supervision of my Research Supervisor

2. Research Experiences (More than 2 years)

- 2012 - 2014 : Worked as **Junior Research Fellow** at the Department of Studies in Computer Science, University of Mysore, under the Fellowship of MANF through **University Grants Commission, Government of India.**
- 2014 - Till Date: Working as **Senior Research Fellow** at the Department of Studies in Computer Science, University of Mysore under the Fellowship of MANF through University Grants Commission, Government of India.
- 2012 (Nov.) - 2013 (Jan.) : **Visiting Researcher** at CVPR Unit, Indian Statistical Insitute, Kolkata, Under the Supervision of **Dr. Bidyut Baran Chaudhuri.**
- 2014 (August): **Visiting Researcher** at CVPR Unit, Indian Statistical Insitute, Kolkata, Under the Supervision of **Dr. Bidyut Baran Chaudhuri.**

Memberships / Affiliations

- [1] Graduate Member[#92670443] IEEE, U.S.A
- [2] Graduate Member [#92670443], IEEE Computer Society, U.S.A
- [3] Member [#1653], Computer Vision and Research Foundation

Publications in Various International Conferences and Journals

- [01] P. Nagabhushan, **Mohammed Javed**, A. Abdollahi, "Tightly Enclosing The Components At Word Level In A Frame Work Of Global And Local Analysis For Segmentation Of Text Lines", in Proceedings of International Conference on Applications of Engineering & Management (RITS-ICAEM), February 28-29, 2012, Hyderabad, India.
- [02] M. Naveena, H.M. Sushma, N.E. Nanaiah, **Mohammed Javed**, P. Nagabhushan, "Holistic Word Entropy Based Model for Word Spotting in Printed Scanned Text-Documents", In the Proceedings of International Conference on Innovations in Computer Science and Engineering (ICICSE), Pages 146-149, September 20-21, 2013, Hyderabad, India
- [03] **Mohammed Javed**, P. Nagabhushan, B.B. Chaudhuri, "Extraction of projection profile, run-histogram and entropy features straight from run-length compressed Text-Documents", In Proceedings of Second **IAPR** Asian Conference on Pattern Recognition (ACPR), Pages 813-817, November 5-8, 2013, Naha, Okinawa, Japan © **2013 IEEE**
- [04] **Mohammed Javed**, P. Nagabhushan, B B Chaudhuri, "Extraction of line-word-character segments directly from run-length compressed printed text-documents", In Proceedings of National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), December 19-21, 2013, Jodhpur, India © **2013 IEEE**
- [05] P. Nagabhushan, **Mohammed Javed**, B.B. Chaudhuri, "Entropy Computation of Document Images in Run-Length Compressed Domain", In Proceedings of Fifth International Conference on Signal and Image Processing (ICSIP), January 8-10, 2014, Bengaluru, India © **2013 IEEE**
- [06] **Mohammed Javed**, P. Nagabhushan, B.B. Chaudhuri, "Direct Processing of Run-Length Compressed Document Image for Segmentation and Characterization of a Specified Block", International Journal of Computer Applications (IJCA), Volume 83(15), Pages 1-6, December 2013, © Foundation of Computer Science, New York, USA.
- [07] **Mohammed Javed**, P. Nagabhushan, BB Chaudhuri, "Automatic Detection of Font Size Straight from Run Length Compressed Text Documents", International Journal of Computer Science & Information Technology (IJCSIT), Volume 5(1), February 2014, © Tech Science Publications, India
- [08] Abdessamad Elboushaki, Rachida Hannane, P. Nagabhushan, **Mohammed Javed**, "Automatic Removal of Marginal Annotations in Printed Text Document", In the Proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA), August 1-2, 2014, Bengaluru, India © **2013 ELSEVIER**
- [09] Abdessamad Elboushaki, Rachida Hannane, P. Nagabhushan, **Mohammed Javed** "Automatic Removal of Handwritten Annotations from Between-Text-Line and Inside Text-Line Annotations in Printed Text Documents", Submitted to ICVGIP 2014 (<http://mile.ee.iisc.emet.in/ICVGIP2014/>)
- [10] **Mohammed Javed**, P. Nagabhushan, and B.B. Chaudhuri, " Automatic Page Segmentation without decompressing the Run-length Compressed Printed Text Documents", Communicated to International Journal of Intelligent Systems (<http://www.degruyter.com/view/j/jisys>)
- [11] **Mohammed Javed**, P. Nagabhushan, and B.B. Chaudhuri, " A Novel and Efficient method for Page segmentation Directly in Run-Length Compressed Text Documents" (Under Drafting)
- [12] **Mohammed Javed**, P. Nagabhushan, and B.B. Chaudhuri, "Automatic Separation and Classification of Text and Non-Text Regions Directly in Run-Length Compressed Text Documents" (Under Drafting)
- [13] **Mohammed Javed**, P. Nagabhushan, and B.B. Chaudhuri, "Automatic Detection of Inverted mode text regions Directly in Run-Length Compressed Printed Text Documents" (Under Drafting)

References Available to Contact

[01] **Dr. P. Nagabhushan (PhD Supervisor)**
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[02] **Dr. Bidyut Baran Chaudhuri**
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