

CONTACT INFORMATION	c/o Dr. Murugesh #309, Siddalingeswara Layout J P Nagar Mysore 570008, India.	Mobile: +91-8951930338 E-mail: krishnarjun.research@gmail.com
RESEARCH INTEREST	Web Data Mining, Image Processing, Machine Learning, Algorithms, Statistics and Data Structures.	
EDUCATION	<b>University of Mysore</b> , Manasagangorthri, Mysore- 570 006, INDIA  Ph.D., Computer Science and Technology, Sept 2014. <ul style="list-style-type: none"><li>• Thesis Topic: Browsing on Small Screen Devices: Challenges and Approaches</li><li>• Advisor: Professor Suresha</li><li>• Area of Study: Web Content Mining and Image Processing</li><li>• Publications: <b>Four</b> International Journals, <b>Seven</b> International Conference, <b>One</b> doctoral symposium at IISc, <b>Two</b> more Journals are communicated and <b>one</b> under preparation.</li></ul> Master in Computer Applications(MCA), Aug 2008 <ul style="list-style-type: none"><li>• Secured with <b>77.92%</b></li><li>• Thesis Topic: Key Process Indicator (KPI) Reporting Tools for Support and Maintenance Project</li><li>• Advisor: Mr. Sharfulla Tonse (Sony Software India Pvt Ltd).</li><li>• Area of Study: PHP, SQL Database Systems.</li></ul> <b>Periyar University</b> , Salem, Tamil Nadu, India. <ul style="list-style-type: none"><li>• B.Sc (Mathematics), Secured with <b>72.38%</b> - May 2005.</li></ul> <b>State Board</b> , Tamil Nadu, India. <ul style="list-style-type: none"><li>• HSC, Secured with <b>82.25%</b> - May 2002.</li><li>• SSLC, Secured with <b>76.66%</b> - May 2000.</li></ul>	
PROFESSIONAL EXPERIENCE	<b>University of Mysore</b> Manasagangorthri, Mysore- 570 006, INDIA  <u>Ph.D Scholar</u> <span style="float: right;"><b>Jan 2010 to Sept 2014</b></span> <ul style="list-style-type: none"><li>• Supervisor: Professor Suresha</li><li>• Title of Thesis: Browsing on Small Screen Devices: Challenges and Approaches</li><li>• Explicating a model to create Data set for XML and Flash Web URLs.</li><li>• Subjectivity issues of proposed systems on XML and Flash Data sets (viability analysis).</li><li>• Exploring suitable technique for XML Flash Web page segmentation and devising a suitable approach for Noise Removal from segmented Webpage(s) for Web mining applications such as Search Engine Optimization, Web page Adaptation, Web page Clustering and Classification and many more.</li><li>• Devising an approach for displaying extracted informative information on Small Screen Devices.</li><li>• Being an advisor for the Graduate students (Masters in Computer Applications, Masters in Technology Masters in Science) in their project issues/topics. Till now guided eight students and all in versatile topics.</li></ul>	

### Course Work

- Successfully completed Ph.D Course Work of 6 months duration (on Research Methodology, Data, Algorithms, Probability and Statistics) from March 2012 to August 2012 (Provisional Reg. No. 1550/09-10) at University of Mysore.

## EXPERIENCE

### Software Engineer: 1.3 Years

- Worked as Software Engineer cum Mentor (Lecturer) at International School of Information Management (ISiM), University of Mysore from **Sep 2008 to Nov 2009**.
  - Worked for development and maintenance of Vidyanidhi and D-Space (Server: Online digital library for e-Thesis)
  - Web Development and Technical support for Infovision 2009 annual summit.
  - Developed and supported software to conduct online M.Tech entrance exam all over India in 2009.
  - Performed Web development and provided the technical assistance for ISiM Website.
  - Handled classes (Data Structures, C and Web Technologies) for PGDM students and Guided few of M.Tech students for their project Issues/Topics.

### Assistant Professor: 5 Years

- Courses handled for Post-Graduate Students during Ph.D period **2010-2014**.
  - Data Structures
  - Software Engineering
  - Analysis and Design of Algorithms
  - Java Programming
  - Graph Theory

### Research Analyst: 0.8 Year

- Worked as Research Analyst at DollarBird Inc Pvt Ltd from **Oct 2014 to May 2015**.
  - Worked on Mobile Server Log analysis for prediction of most using app to place an ad services.
  - Handled team to build our own product to create platform on JAVA.
  - Performed research analysis on android app project to track objects using RFID/GPRS.

### Assistant Professor: 1 Year

- Worked as Assistant Professor at Christ University, Bangalore from **May 2015 to April 2016**.
  - Courses handled for Post-Graduate Students.
    - Data Structures
    - Data Communication and Networks
    - Java Programming
    - Data Mining

### Assistant Professor: 1.2 Year

- Worked as Assistant Professor at Yuvaraja's College, University of Mysore, Mysore from **Oct 2016 to Dec 2017**.
  - Courses handled for Under-Graduate Students.
    - Data Structures
    - Java Programming
    - Data Mining
    - C and C++

**Assistant Professor: 2 Year(currently working)**

- Working as Assistant Professor in Govt First Grade College (Government of Karnataka), Bhalki, Bidar from **Jan 2018 to Till Date**
  - Courses handling for Under-Graduate Students.
    - Data Structures
    - Java Programming
    - Numerical Computing
    - C++ and ISAD

**SOFTWARE SKILLS Computer Programming:**

- Hadoop Architecture(BigData Analysis), Java (Eclipse), MSSQL/MySQL, C, C++, PHP

**Numerical Analysis (Stastical Programming Language):**

- MATLAB.

**Document Markup Language**

- Latex.

**Operating Systems:**

- Microsoft Windows family.
- Linux-Ubuntu

**CREDENTIALS**

- Cleared GATE examination during 2008-09.
- Organised a two days zonal level workshop entitled on "RoboTryst - 2014" during November 2013 in association with Tryst-2014 IIT Delhi.
- Actively participated in the ten days camping programme of National Service Scheme on the theme "Role of NSS Volunteers in Water and Sanitation" twice (Dec 2003 and Dec 2004).
- Adjudged the Runner-Up in the Regional Level Mens Inter-Collegiate Volley Ball Tournament in 2003.
- Secured First Class in Typewriting English at the Government Technical Examinations in Commerce subjects in Feb 2004.

**WORKSHOPS**

- Participated in the seminar on "Spatial Information Retrieval, Analysis, Reasoning and Modelling", 18th to 20th Mar 2009 organized by Indian Statistical Institute (ISI), Bangalore.
- Participated in one week VTU-VGST Faculty Development Programme on "Research Opportunities and Challenges in Mining Web Contents" from 12th to 16th March 2012 organized by Dept of CS and Engineering, SJCE, Mysore.
- Participated in one day state level Workshop on "Digital Image Processing using MATLAB" held on 28th March 2013 at JSS College of Arts and Science, Mysore.
- Participated in three days national level Workshop on "Mathematics behind Machine Learning" held on 21st Aug 2014 to 23rd Aug 2014 at JSS College of Arts and Science, Mysore.
- Participated in five days national level Workshop on "**Multimedia Data Analysis**" held on 26th April 2016 to 30th April 2016 at Sri Jayachamarajendra College of Engineering, Mysore.
- Participated in more than ten Workshops/Seminars/Faculty Development Programs/Special Lectures etc.,.

REFEREED  
JOURNAL  
PUBLICATIONS

- [1] **Krishna Murthy. A**, and Suresha. Comparative Study on Browsing on SSDs. **International Journal of Machine Intelligence (IJMI)**, Volume 3, pp 354-358, 2011.
- [2] **Krishna Murthy. A**, and Suresha. XML URL: Data set creation for future Web Mining avenues. **International Journal of Computer Applications (IJCA)** (0975-8887), 2011.
- [3] **Krishna Murthy. A**, Suresha and Anil Kumar K M. Challenges and Issues in Adapting Web contents on Small Screen Devices. **International Journal of Information Processing (IJIP)**, vol. 8 issue 1 of IJIP, Bangalore-2013.
- [4] **Krishna Murthy. A**, and Suresha. XML URL Classification based on their semantic orientation for Web mining Application. International Conference on Information and Communication Technologies (ICICT-2014), published by **Elsevier Procedia** , Kochi, Kerala.
- [5] Jyoti Bolannavar and **Krishna Murthy. A**, "CASD: Cloud Access Security Broaker" **IJSRCSEIT** - International Journal of Scientific Research in Computer Science, Engineering and Information Technology Volume 4, Issue 7, ISSN 2456-3307, **Year 2019**.
- [6] Jyoti Bolannavar and **Krishna Murthy. A**, "CASD: Cloud Access Security Broaker" **IJSRCSEIT** - International Journal of Scientific Research in Computer Science, Engineering and Information Technology Volume 4, Issue 7, ISSN 2456-3307, **Year 2019**.
- [7] **Krishna Murthy. A**, "Feature Extraction and Noise Removal from Segmented Flash Web pages for Information Extraction" **under preparation for Scopus Indexed Journal - 2019**.

CONFERENCE  
PUBLICATIONS

- [8] **Krishna Murthy. A** , and Suresha. "Analysis and Issues of Adapting Web pages on Small Screen Devices". International Conference on Information Processing (ICIP) page 75-85, **Elsevier publications** , Bangalore - 2013.
- [9] **Krishna Murthy. A** , and Suresha. "Flash Web page segmentation based on Image Processing Perception using DWT and Morphological Operations". 3rd International Conference on Soft Computing and Problem Solving (SocPros-2013), **Springer Publications** , Noida.
- [10] **Krishna Murthy. A** , and Suresha. "XML Web page Segmentation based on their Semantic Structure Orientation". International Conference on Knowledge Collaboration in Engineering, **IEEE Xplore publications**, Coimbatore 2014.
- [11] **Krishna Murthy. A** , Niroopananda D and Suresh, "Enhancement of Flash Web page Segmentation for Web mining applications", published at International Conference on Interdisciplinary advances in Applied Computing (**ACM**) **Digital Library ICONIAAC** 2014.
- [12] Jeevitha U and **Krishna Murthy. A**. "Segmentation of Kidney organs from Abdominal Computed Tomography" at Second International Conference on Current Trends in Engineering and Management **ICCTEM** ISBN: 978-93-83842-61-2,2014. (Accepted for Journal publication at IJCET)
- [13] **Krishna Murthy. A**, and Suresha, "Browsing on Small Screen Devices: Challenges and Approaches" published extended abstract in doctoral symposium at Indian Institute of Science (IISc), Bangalore (**ICVGIP** Doctoral Symposium-2014)

- [14] Simna Rassak and **Krishna Murthy. A**, "Review on Sound Signal Processing: Domain, Features, Noise, Classification and Application" published at National Level Conference Emerging Trends in IT eit-2016 ISBN 978-93-82305-83-5 Christ University, Bangalore
- [15] Simna Rassak and **Krishna Murthy. A**, "Survey Study on Methods of Bird Vocalization Classification" published at International Conference on Current Trends in Advanced Computing ICCTAC-2016 **IEEE Xplore** Bangalore.

STUDENT  
ADVISING

• **Raghavendra. R**

Student of Masters in Computer Application (MCA), Dept of Computer Science, University of Mysore. "Making Flash Web pages Browsable on Mobile Screen Devices", 2012.

- Flash Data set creation.
- Feasibility analysis on existing segmentation algorithms.
- Flash Web page customization into HTML structure for Webpage adaptation.
- Result Analysis of proposed system.

• **Raghunandan K S**

Student of Masters in Computer Application (MCA), Dept of Computer Science, University of Mysore. "Flash Webpage Segmentation Based on Visual Representation", 2013.

- Image Database: Collection of screen shots of Flash Web pages
- Applying Image Processing techniques such as morphological operations, Discrete Wavelet Transformations etc., to segment Web page Images as blocks.
- Performance analysis of proposed algorithms and comparative study.

• **Abhilasha G P and Amitha K**

Student of Masters in Science (M.Sc), Dept of Computer Science, University of Mysore. "Object Identification using Bluetooth and GPS Technology", 2014.

- Listing out all the objects which are tagged with Bluetooth devices in the range.
- Designing a Framework to get connect with all the devices and identify the distance of selected device.
- Moving the robot towards object based on distance of object and path identification.

• **Niroopanandha N**

Student of Masters in Technology (M-Tech), Dept of Computer Science, University of Mysore. "Enhancement of Flash Web page Segmentation and Noise Removal for Web Mining Applications", 2014.

- Improvisation of Flash Webpage segmentation based on Image Fusion perception.
- Block extraction and Noise identification based on Texture analysis of blocks.
- Extraction and re-arranging of informative contents for Webpage adaptation.
- Experimental analysis.

• **Jeevitha. U**

Student of Masters in Technology (M-Tech), Dept of Computer Science, Sri Jayachamarajendra College of Engineering (SJCE). "Segmentation and Disease Identification of Kidney based on abdominal CT Images", 2014.

- Kidney Image dataset creation
- Developing a segmentation method to segment the kidney from abdominal CT image by using Thresholding based techniques.

- Proposing a system to diagnose the disease by analyzing the texture and distribution of directional maximums.
- Experimental evaluation based on knowledge base approach.

REFERENCES  
AVAILABLE TO  
CONTACT

Available upon request.

- **Dr. Suresha**  
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