MAHMOOD JASIM

CONTACT INFORMATION

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RESEARCH INTERESTS

Computer Vision (Detection, Recognition and Classification problems), Pattern Matching, Machine Learning, Human Computer Interaction, Robotics

EDUCATION

- Master of Science in Computer Science and Engineering [2011 to 2013]
  Department of Computer Science of Engineering, University of Dhaka
  - CGPA 3.96 in a scale of 4.00
  - Rank #2 among 22 students
- Bachelor of Science in Computer Science and Engineering [2007 to 2011]
  Department of Computer Science of Engineering, University of Dhaka
  - CGPA 3.50 in a scale of 4.00
  - Rank #7 among 45 students

PUBLICATIONS

[1] A real-time computer vision-based static and dynamic hand gesture recognition system, **Mahmood Jasim**, Tao Zhang, Md Hasanuzzaman, International Journal of Image and Graphics, 2014, Volume 14, Issue 01n02, Pages 145006 [18 Pages]

[2] A novel hand gesture recognition method using Principal Directional Features, **Mahmood Jasim**, Tao Zhang, Md Hasanuzzaman, Robotics and Biomimetics (ROBIO), IEEE International Conference on, IEEE, 2013, Pages: 1264 – 1269

[3] Sign language interpretation using linear discriminant analysis and local binary patterns, **Mahmood Jasim**, Md Hasanuzzaman, Informatics, Electronics & Vision (ICIEV), International Conference on, IEEE, 2014, Pages: 1 – 5

[4] User Authentication from Mouse Movement Data Using SVM Classifier, Bashira Akter Anima, **Mahmood Jasim**, Khandaker Abir Rahman, Adam Rulapaugh, Md Hasanuzzaman, Cryptology and Network Security, 15th International Conference on, 2016, Pages: 692 – 700

[5] Real-time Bengali and Chinese numeral signs recognition using contour matching, Muhammad Aminur Rahaman, **Mahmood Jasim**, Tao Zhang, Md Haider Ali, Md Hasanuzzaman, Robotics and Biomimetics (ROBIO), IEEE International Conference on, IEEE, 2015, Pages: 1215 – 1220

[6] Computer vision based Bengali sign words recognition using contour analysis, Muhammad Aminur Rahaman, **Mahmood Jasim**, Md Haider Ali, Md Hasanuzzaman, Computer and Information Technology (ICCIT) 18th International Conference on, IEEE, 2015, Pages: 335 – 340

[7] Real-time computer vision-based Bengali Sign Language recognition, Muhammad Aminur Rahaman, **Mahmood Jasim**, Md Haider Ali, Md Hasanuzzaman, Computer and Information Technology (ICCIT) 17th International Conference on, IEEE, 2014, Pages: 192 – 197

AWARDS

- University Scholarship for result in Bachelor of Science Examination, University of Dhaka [2012]
- National Education Board Scholarship in HSC Examination [2006]
- National Education Board Scholarship in SSC Examination [2004]

RESEARCH EXPERIENCE

- Robotics Group (RoboLab) [2014 to Present]
  Department of Computer Science of Engineering, University of Dhaka
  - Gesture Recognition (Object Manipulation)
  - Human Activity Recognition
  - Optical Character Recognition
- Computer Vision Group [2011 to 2013]
  Department of Computer Science of Engineering, University of Dhaka
  - Gesture Recognition (Hand and Body)
  - Human Computer Interaction
  - Face Recognition

WORK EXPERIENCE

- Lecturer [2014 to Present]
  Department of Computer Science of Engineering, University of Dhaka
  - Operating Systems, Distributed Systems
- Lecturer [2013 - 2014]
  Department of Computer Science of Engineering, University of Liberal Arts Bangladesh
  - Data Structures, Object Oriented Programming, Software Analysis and Design
- Software Engineer [2011 - 2013]
  TigerIT Bangladesh Ltd.
  - Server side programmer in C/C++ for Bolt Browser project
  - Researcher and programmer for Face Recognition R&D project

PROJECT EXPERIENCE

- Website for Computer Science and Engineering, University of Dhaka [2015 to 2016]
  - Development and content generation
  - Module testing
  - cse.du.ac.bd
- Titas User Acceptance Test [2015 to 2016]
  - Hardware and Software testing
  - Module and Unit testing
- Dhaka University Accounting Information System [2014 to 2015]
  - Hardware and Software Requirement Specification generation
  - Module design

TECHNICAL SKILLS

- Programming Language: C/C++, C#, Java, Python
- Tools: OpenCV, Matlab, Weka, Microsoft Visual Studio SDK II for Kinect, GitHub
- IDE: Microsoft Visual Studio, NetBeans, Atom, IntelliJ
- Operating Systems: Linux, Microsoft Windows, Mac OSX
- Typesetting: LaTeX, Microsoft Office, Open Office

OTHER INTERESTS

- Programming Contests: Participated in intra department contests as a member of DU Phoenix
- Problem Solving: Solved 150+ problems in UVA online judge
- Debate: Participated in National Debate Competition as a representative of my high school debate team
- Management: Performed as a member of organization and management team for Fresher's Reception, River Cruise and Study Tour in India, for the Department of Computer science and Engineering, University of Dhaka
- Gaming: Two times Runner-up in inter department gaming tournament in FPS category