# Milind Padalkar

*Curriculum Vitae*

*Lab 208, DA-IICT,*
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## Education

**2011–till date**  **PhD Candidate**,
*Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT)*, Gandhinagar, India,
CPI 9.00/10.
Advisor: Dr. Manjunath V. Joshi

**2008–2010**  **M.Tech. in Computer Engineering**,
*Sardar Vallabhbhai National Institute of Technology (SVNIT)*, Surat, India,
CGPA 8.75/10.
Thesis title: *Histogram Based Efficient Video Shot Detection Algorithms*
Advisor: Dr. Mukesh A. Zaveri

**2004–2008**  **B.E. in Information Technology**,
*University of Mumbai*, India,
Aggregate Percentage 61.67%.
Project title: *Content Based Image Retrieval System*
Supervisor: Prof. Santosh V. Jadhav

**2004**  **Higher Secondary Certificate (H.S.C.)**,
*Maharashtra State Board, India*,
Percentage 80.50%.

**2002**  **Secondary School Certificate (S.S.C.)**,
*Maharashtra State Board, India*,
Percentage 85.86%.

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## Publications

[1]  M. G. Padalkar and M. V. Joshi, "Auto-inpainting heritage scenes: a complete framework for detecting and infilling cracks in images and videos with quantitative assessment," *Machine Vision and Applications*, pp. 1–21, 2015, ISSN: 0932-8092. DOI: 10.1007/s00138-015-0661-6. [Online]. Available: http://dx.doi.org/10.1007/s00138-015-0661-6.

[2]  M. G. Padalkar, M. V. Vora, M. V. Joshi, M. A. Zaveri, and M. S. Raval, "Identifying Vandalized Regions in Facial Images of Statues for Inpainting," in *ICIAP2013 Workshop on Multimedia for Cultural Heritage*, ser. Lecture Notes in Computer Science, vol. 8158, Springer Berlin Heidelberg, 2013, pp. 208–217. DOI: http://dx.doi.org/10.1007/978-3-642-41190-8_23. [Online]. Available: http://dx.doi.org/10.1007/978-3-642-41190-8\_23.

[3]  M. G. Padalkar, M. V. Joshi, M. A. Zaveri, and C. M. Parmar, "Exemplar based Inpainting using Autoregressive Parameter Estimation," in *Proceedings of the International Conference on Signal, Image and Video Processing*, ser. ICSIVP'12, 2012, pp. 154–160, ISBN: 978-93-81583-19-7.

[4] M. G. Padalkar, M. A. Zaveri, and M. V. Joshi, "SVD Based Automatic Detection of Target Regions for Image Inpainting," in *Computer Vision - ACCV 2012 Workshops*, J.-I. Park and J. Kim, Eds., ser. Lecture Notes in Computer Science, vol. 7729, Springer Berlin Heidelberg, 2012, pp. 61–71, ISBN: 978-3-642-37483-8. DOI: 10.1007/978-3-642-37484-5_6. [Online]. Available: http://dx.doi.org/10.1007/978-3-642-37484-5\_6.

[5] M. G. Padalkar and M. A. Zaveri, "Dissolve Detection Based Shot Identification Using Singular Value Decomposition," in *Proceedings of the 2010 Fourth Asia International Conference on Mathematical/Analytical Modelling and Computer Simulation*, ser. AMS '10, Washington, DC, USA: IEEE Computer Society, 2010, pp. 312–316, ISBN: 978-0-7695-4062-7. DOI: http://dx.doi.org/10.1109/AMS.2010.69. [Online]. Available: http://dx.doi.org/10.1109/AMS.2010.69.

## International Exposure

Jan. 2015   Participated in the *Immersive Storytelling track, MIT Media Lab Design Innovation Workshop 2015* at Gandhinagar, India.

Dec. 2013   Attended *the National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG2013)* at Indian Institute of Technology Jodhpur, India.

Dec. 2012   Attended *the Eight Indian Conference on Vision, Graphics and Image Processing (ICVGIP2012)* at Indian Institute of Technology Bombay, India.

Dec. 2012   Attended *a two day workshop on Digital Video Processing and Analytics (DVAP-12)* at Indian Institute of Technology Madras, India.

Jan. 2012   Presented my co-authored paper, titled 'Exemplar based Inpainting using Autoregressive Parameter Estimation" in the *International Conference on Signal, Image and Video Processing (ICSIVP2012)* at Indian Institute of Technology Patna, India.

May 2010   Presented my co-authored paper, titled "Dissolve Detection Based Shot Identification Using Singular Value Decomposition" in the *Fourth Asia International Conference on Mathematical/Analytical Modelling and Computer Simulation (AMS2010)* at Kota Kinabalu, Malaysia.

## Competitive Exams

2007   **Graduate Aptitude Test in Engineering (GATE)**,
*Discipline: Information Technology*,
All India Rank: 46.

## Skills

Programming   C/C++, Matlab, OpenCV library

Publishing / Presentation   LaTeX, MS Office, LibreOffice

Operating Systems   MS Windows, Linux

## Experience

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| Aug. 2011 – till date | **Junior Research Fellow (JRF),** *DA-IICT, Gandhinagar, India,* Project: "Immersive Navigation for a Walk-through Application" funded by Department of Science and Technology (DST), Govt. of India. |
| Feb. 2011 – Jul. 2011 | **Assistant Professor,** *MCA Department, Sardar Patel Institute of Technology, Mumbai, India.* |
| Jan. 2011 – Feb. 2011 | **Lecturer,** *Department of Information Technology, Sardar Patel Institute of Technology, Mumbai, India.* |

## Extra Curricular Activities

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| 2007–2008 | General Secretary of the institute |
| 2007–2008 | Chief Coordinator of the Information Technology Students Association |
| 2005–2007 | Coordinator for Athletics – Annual Sports |
| 1999–2007 | Participated and won in various games like Athletics, Chess and Football at College, Division, State and National level events |
| 2001–2002 | Awarded by school as the *National Athlete of the Year* |

## Hobbies

♪♩♫ Playing musical instruments like mouth-organ & guitar.

Surfing the Internet, especially various technical forums.

## References

▶ **Dr. Manjunath V. Joshi**
*Professor*, DA-IICT, Gandhinagar, India
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▶ **Dr. Mukesh A. Zaveri**
*Associate Professor*, SVNIT, Surat, India
✉ *mazaveri@coed.svnit.ac.in*     ☎ +91-261-2201766

▶ **Dr. Devesh C. Jinwala**
*Professor*, SVNIT, Surat, India
✉ *dcj@svnit.ac.in*     ☎ +91-261-2201593

▶ **Prof. Santosh V. Jadhav**
*Associate Professor*, Finolex Academy of Management & Technology, India
✉ *hodit@famt.ac.in*     ☎ +91-2352-228361

▶ **Dr. Keshao L. Asanare**
*Director*, Finolex Academy of Management & Technology, India
✉ *director@famt.ac.in*     ☎ +91-2352-228445