BIODATA

❖ **Personal Information:**

Name : Patil Rajendra Vasantrao
Date of Birth : 01.06.1973
Nationality : Indian
Marital Status : Married
Permanent Address : 62/2, Donde colony,
   Deopur, Gondur Road.
   Maharashtra, India - 424005
E-mail adderss : patilrajendra.v@gmail.com
Contact No. : 7972527225

❖ **Educational Information:**

Sr.No	Exam. Passed	Board/Univ.	Percentage
1	Pursuing PHD	SunRise University	
2	M.E. (Comp. Sci. & Engg.)	SRTMU, Nanded (2010)	69.72
3	B.E. (Comp. Sci. & Engg.)	North Maharashtra University, Jalgaon (May- 1998)	65.00
4	H.S.C.	Pune	70.17
5	S.S.C.	Pune	72.00

❖ **Work Experience:**

1) Organization : SSVPS BSD College of Engg.,Dhule
   Designation : Assistant Professor, Deptt Of Computer Engg
   Duration : 15th Jul 2003 to till date (More than 21 Years)
2) Organization : SES College Of Engg., Dhule
   Designation : Lecturer, Deptt of Computer Engg.
   Duration : 07/08/2000 to 14/07/2003 (3Years)
3) Organization : Tapi Softwares Pvt Ltd
   Designation : Programmer, Computer I/c
   Duration : 01/02/2000 to 06/08/2000 (6 months)
4) Organization : Jalgaon Janata Infotech Pvt Ltd.
   Designation : Support Officer, Team Leader, Programmer
   Duration : 03/07/1998 to 15/01/2000 (18 months)

❖ **Subjects Taught**:

1) Microprocessor-II   2) Microprocessor & Interfacing
3) DBMS   4) Microprocessor-III
5) Microprocessor-I.   6) Advanced Microprocessor
7) Data warehousing and Mining 8) Intro. To Research
9) Blockchain Technology   10) Distributed Systems
11) Geographic Information System 12) Development Engg.
13) Universal Human Values-II   14) Python Programming

15) Artificial Intelligence   16) Machine Learning
(17) Internet of Things

❖ **Projects**   **:** 1) **Online Banking Software** – Developed Banking Software for Tapi Softwares which is commercially deployed in more than 150 Co-op banks
Duration : 6 Months
2) **PF System** for SES College of Engg.
3) **Image Segmentation.**

❖ **Publications**
(International Journal – 22, International Conference –07), National Conference -07)

International Journal

1. Rajendra V. Patil, Dr. Renu Aggarwal "Comprehensive Review on Image Segmentation Applications", Sci.Int.(Lahore), 35(5), pp. 573-579, Sep. 2023
Retrieved from http://www.sci-int.com/Search?catid=166

2. Rajendra V. Patil., Dr. Renu Aggarwal. Edge Information based Seed Placement Guidance to Single Seeded Region Growing Algorithm. International Journal of Intelligent Systems and Applications in Engineering, 12(12s), 753–759, 2024
Retrieved from https://ijisae.org/index.php/IJISAE/article/view/4575

3. Rajendra V. Patil, Dr. Renu Aggarwal, Govind M. Poddar, M. Bhowmik. Manohar K. Patil, Embedded Integration Strategy to Image Segmentation Using Canny Edge and K-Means Algorithm. International Journal of Intelligent Systems and Applications in Engineering, 12(13s), 01–08, 2024 Retrieved from https://ijisae.org/index.php/IJISAE/article/view/4561

4. Rajendra V. Patil, Dr, Renu Aggarwal, Ritesh, Sonawane, Govind M. Poddar, Shailesh Shivaji Deore, , Vaishali Turai, "Automatic Marker Generation to Similarity Based Region Merging Algorithm using Edge Information" , Journal of Electrical Systems, 20 (3s), pp. 2227-2240, 2024
Retrieved from https://journal.esrgroups.org/jes/article/view/1845

5. P. S. Patil, Dr. S. R. Kolhe, R. V. Patil, Dr. P. M. Patil, "The Comparison of Iris Recognition using Principal Component Analysis, Log Gabor and Gabor Wavelets", International Journal of Computer Applications, ISSSN – 0975-8887, Vol. 43, No.1, April 2012
Retrieved From : https://ijcaonline.org/archives/volume43/number1/6070-8229/

6. Gaikwad, V. S. ., Shivaji Deore, S. ., Poddar, G. M. ., V. Patil, R. ., Sandeep Hirolikar, D. ., Pravin Borawake, M. ., & Swarnkar, S. K. . (2024). Unveiling Market Dynamics through Machine Learning: Strategic Insights and Analysis. International Journal of Intelligent Systems and Applications in Engineering, 12(14s), 388–397. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/4675

7. Tarambale, M. ., Naik, K. ., Patil, R. M. ., Patil, R. V. ., Deore, S. S. ., & Bhowmik, M. . (2024). Detecting Fraudulent Patterns: Real-Time Identification using Machine Learning. International Journal of Intelligent Systems and Applications in Engineering, 12(14s), 650 –. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/4742

8. Patil, R. M. ., Patil, R. V. ., Pagare, U. B. ., Navandar, R. K. ., Mapari, R. ., Bhowmik, M. ., & Deore, S. S, "Anomaly Detection in Network Security: Deep Learning for Early Identification.", *International Journal of Intelligent Systems and Applications in Engineering*, *12*(19s), 133–144. Retrieved from https://ijisae.org/index.php/IJISAE/article/view/5053

9. Govind M. Poddar, Rajendra V. Patill, Satish Kumar N, "Approaches to handle Data Imbalance Problem in Predictive Machine Learning Models: A Comprehensive Review", *Int J Intell Syst Appl Eng*, vol. 12, no. 21s, pp. 841–856, Mar. 2024. Retrieved from : https://ijisae.org/index.php/IJISAE/article/view/5481/4207

10. Tejal Navarkar, R. V. Patil, "Malicious Pattern Detection from android API's using Machine Learning and Deep Learning" , International Journal of Advanced Scientific ?Research and Engineering Trends, Vol. 7, Issue 8, pp. 10-14, Oct. 2024

11. P. S. Patil, Dr. S. R. Kolhe, R. V. Patil, Dr. P. M. Patil, "Performance Evaluation is Iris Recognition and CBIR System based on Phase Congruency", International Journal of Computer Applications, ISSSN – 0975-8887, Vol. 47, No.14, June 2012 Retrieved From: https://www.ijcaonline.org/archives/volume47/number14/7255-0258/

12. K. C. Jondhale, R. V. Patil " Combining Color and Log Gabor Wavelet Based Feature Detector for Content Based Image Retrieval" , International Journal of Information and Communication Technologies, Serials Publications, New Delhi, pp 89-91, April 2009

13. K. C. Jondhale , R. V. Patil, "Integrating Novel Features for CBIR", International Journal of Computer Engg and Information Technology, Scientific Engg Research Corp., May 2009 [www.serc.org.in]

14. Ms. Deore Manisha & R. V. Patil," A Review: Detection of Clones in Wireless Sensor Network", International Journal of Computer Science and Mobile Computing,Vol.6, No.2, pp. 316-323, Sep 2015

15. Ms. Deore Manisha & R. V. Patil, "Detection of Node Replication Attack by suing XED and EDD algorithm in Wireless Sensor Network", International Journal of Advanced Research in Computer Engineering and Technology, vol. 7 no.1, pp. 50-58 2015

16. Pranavkumar Bhadane & R. V. Patil, "Analysis of Frequent Item Set Mining of Electronic Evidence using FP-Growth based on MapReduce", International Journal of Computer and Technologies,, Vol 5, no 1 pp. 139-144, Jan 2016

17. Ms.Pramila Ahire & R. V. Patil, "Study and Implementation of Secure Storage Service in Cloud Computing", International Journal of Advanced Research in Computer Engineering and Technology, pp. 201

18. Pranavkumar Bhadane & R. V. Patil, "Analysis of Frequent Item Set Mining of Electronic Evidence using ISPO tree based on MapReduce", International Journal of Science & Research, Vol. 6(4), 4058-4061, pp. 2015

19. A. B. Songire & R. V. Patil, "A Survey on Product Aspect Ranking based on Online Customer Reviews", International Journal of Modern Trends in Engineering & Research, vol 2 no. 2, pp. 448-451, March 2016

20. A. B. Songire and R. V. Patil., "Product Aspect Ranking based Online Customer Reviews", IJMTER, pp, 124-129, 2017

21. Mr. Virendra P. Patil1 and Mr. Rajendra V. Patil, "Packet Estimation with CBDS Approach to secure MANET", IJMTER, pp. 257-262, 2016

22. Mr. Virendra P. Patil1 and Mr. Rajendra V. Patil, "Survey on Detection and Prevention Techniques for Malicious Node in MANET", IJMTER, pp. 372-377, March 2016

International Conference

1. Rajendra V. Patil, Dr. Renu Aggarwal, Dr. Shailesh Shivaji Deore, "Edge Segmentation based Illumination Invariant Feature Detector Phase Congruency", 2024 5th International conference on Mobile Computing and Sustainable Informatics (ICMCSI), pp. 91-96, Jan. 2024 Retrieved From https://ieeexplore.ieee.org/document/10493893

2. Rajendra V. Patil, Dr. Renu Aggarwal, "Integrated Approaches to Image Segmentation: A Review", in 2nd International Conference On Emerging Trends In Intelligent Coputing (ICETIC'23) jointly organized by Department of Computer Engineering and Information Technology, SVKM's Institute of Technology, Dhule, held on 16th to 17th June 2023

3. K. C. Jondhale , R. V. Patil, "Edge Based technique to estimate Number of clusters in K-means Color Image Segmentation", *3rd IEEE International Conference on Computer Science and Info Tech, Chegndu , China, 2010*
Retrieved From : https://ieeexplore.ieee.org/document/5563647

4. R. V. Patil,"Robust method based on edge detection to determiner number of clusters in k-means Image Segmentation", ICCIA-10, 03-05 March 2010.

5. R. V. Patil. K. C. Jondhale, "Combining Color and Log Gabor Wavelet Based Feature Detector for Content Based Image Retrieval" , International Conference on VLSI and Communication, pp. 257-259, 16th –18th April 2009, Kottayam, Kerala [www.icvcom.org]

6. R. V. Patil, K. C. Jondhale,"Content Based Image Retrieval based on Phase congruency Via Log Gabor Wavelet Filtres", Proceedings of ICCVGIVP 2009, Nagpur, pp 84-85, 13th –14th March 2009 [www.iccvgivp2009.com]

7. R. V. Patil, Ms. K. C. Jondhale, Mr. I. S. Borse, "Use of phase congruency for shape information in Content Based Image Retreival", In the Proceeding of International Conference on Emerging Trends in Engineering, PICETE, vol. 1, pp.1225-1228, Dec. 2008, Loni, India

National Conference

1. K. C. Jondhale, R. V. Patil, " Integrating Color and Phase Based Feature Detector for CBIR" , Proceedings of National Conference on Recent Trends in Information Technology, Ahmednagar, pp. 248-250, 20-21 Feb 2009

2. K. C. Jondhale , R. V. Patil,Mr. P. N. Patil, "Delivering the power of computers to children without harming their health", at National Conference organized by PG Deptt of computer science , P.R. Ghogrey Science college, Dhule on "Use of Computer and Internet for child Development ", Jan. 2006

3. K. C. Jondhale , R. V. Patil "An anatomy of Computer games ", at National Conference organized by PG Deptt of computer science , P.R. Ghogrey Science college, Dhule on "Use of Computer and Internet for child Development ", Jan. 2006

4. K. C. Jondhale R. V. Patil "Wireless Sensor Network for child safety and early detection of probable disasters", at National Conference organized by PG Deptt of computer science , P.R. Ghogrey Science college, Dhule on "Use of Computer and Internet for child Development ", Jan. 2006

5. R. V. Patil, Mr. P. R. Bhaladhare, Ms M. H. Shastri, "Child Safety Online", at National Conference organized by PG Deptt of computer science , P.R. Ghogrey Science college, Dhule on "Use of Computer and Internet for child Development" , Jan. 2006

6. Dr. Ms A. M. Rajurkar, K. C. Jondhale., R. V. Patil," Wireless Sensor Network for disaster management", at National conf. ELECTRA- 2006 organized by SVM Engg college, Sinnar, Nashik, Mar 2006

7. K. C. Jondhale , R. V. Patil, " Mobile Computing devices for classroom teaching" , at National conf. ELECTRA- 2006 organized by SVM Engg college, Sinnar, Nashik, Mar 2006.

Patents / Copyrights

1. Rajendra V. Patil, Dr. Renu Aggarwal, Govind M. Poddar, Rahul Manohar Patil "Quality Control Assessing Device" Indian Design Patent Application Number – 407589-001, Date of Publication – 9/4/2024, Granted on 15th Feb. 2024

2. Rajendra V. Patil, Dr. Renu Aggarwal, Medha Vaibha Joshi, Vaishali Raghuvir Hire, Poonam Sharad Salunkhe, Dr. Indrabhan Borse "Quality Testing and Controller Device" Indian Design Patent Application Number - 407590-001, Application fAccepted, Granted Design Patent on 15th Feb 2024.

3. [Filed] Dr. D. Cenitta, Rajendra V. Patil, Govind M. Poddar, Dr. Shafqat Alauddin, Mr. Vijay Prakash, Hemant N. Watane, A. Srilakshmi, Mr. G. Selvendran, Dr. R. Vijaya Arjunan, "Adaptive Cyber Security Framework for Dynamic Threat Mitigation", Patent Application Number – 202441007414, Date of Filing – 03/02/2024, Data of Publication – 08/03/2024, Status – Request for Examination

4. [Filed} Mrs. Vanitha Gurugubelli, Rajendra V. Patil, Dr Rajesh Kedarnath Navandar 4)Mr. Pechetti Girish, Dr D S Naga Malleswara Rao, Mr. Ramesh Pattnaik, Mr.Jayanta Kumar Sahu, Mr.Piyush Patil, Dr Arun K K Name, "Smart Grid Optimiztion Through IOT-Enabled Energy Managemnt", Patent Application Number – 202441008173, Date of Filing – 07/02/2024, Date of Publication – 08/03/2024, Status – Request for Examination

5. [Filed] Rahul ManoharPatil, Dr..Ajay N. Paithane, Deepak Yashwantrao Bhadane, Umesh B. Pagare, Vinodkumar P. Patil, Rajendra Vasantrao Patil. "Processed Image Quality Analsing Device", Design Patent Appluction Number -414903-001, Date of Filing – 25/04/2024, Status – Under Examination

❖ **Workshops/ STTP/ FDP / Seminars Attended**

1. Participated in one week Faculty Development Program on "Outcome Based Education", organized by IQAC cell SNJB's LSKBJ College of Engineering, Chandwad, Nashik during 29th April – $04^{th\ t}$ May 2024.

2. Participated in one week Faculty Development Program on "Enhancing Teaching Learning Pedagogy Using Hands-On ICT Tools.", organized by Department of Computer Engg and IQAC cell SNJB's LSKBJ College of Engineering, Chandwad, Nashik during 22nd April – $27^{th\ t}$ April 2024.

3. Participated in the AICTE Recognized Faculty Development Programme on OBE for NEP Implementation Conducted by Mechanical Engineering Department from 09/10/2023 to 13/10/2023 (One Week) at N.I.T.T.T.R. Chandigarh.

4. Participated in National level Faculty Development Program on "Cloud Infrastructure", organized by Brainovision Solutions India (Pvt) Ltd in collaborations with AICTE during 21st to 25th August 2023

5. Participated in one week ISTE Sponsored Faculty Development Program on "Recent Trends in AI. Machine Learning and Data Science", Organized by SVKM IOT, Dhule during 26th – 31st December 2022.

6. Participated in one week Faculty Development Program on "Recent Trends in Machine Learning for Artificial Intelligence", Organized by Sanmati Engineering College, Nashik during 15th – 19st July 2023.

7. Attended and participated in AICTE sponsored two weeks induction training programme on," Education Technology for the faculty of Engineering Colleges" organized by SSVPS BSD College of Engg., Dhule during December 15-27, 2003.

8. Attended and participated in one day International Workshop on "Development Environments and processes", organized by SSGSIE &T,Nanded on 11th Feb. 2006.

9. Attended one day workshop on "Syllabus setting Workshop for the computer engg. Branch" organized by NMU at SSVPS BSD COE., Dhule
10. Attended and participated in three days workshop on," Management Development programme", at SSVPS BSD College of Engg., Dhule during 28th Aug- 1 Sep 2008
11. Attended two days seminar on , " Information Security Policy", Organized by PRES's Sir Visesvaraya Memorial Engg. College, Chincholi Nashik during 15th to 16th Oct 2008.
12. Attended and participated in three days workshop on, " Faculty Development and Motivation", Organized by SSVPS BSD College of Engg., Dhule during 25th-27th June 2009.

❖ **Other Contributions:**
  ➢ **Over 25 years of teaching and industrial experience.**
  ➢ Worked as a resource person to give training to bank employees when working with JJIT and Tapi softwares.
  ➢ Actively participated in new syllabus setting workshops of S.E., T.E.& B.E. Comp. Engineering and Information Technology.
  ➢ Organized seminars and workshops for the students.
  ➢ Supervised more than 10 Post Graduate dissertations
  ➢ Worked as NBA Department Coordinator, NAAC Department Coordinator, Seminar and Project I/C, academic coordinator
  ➢ Worked as Co-coordinator for international Conference
  ➢ Worked as reviewer for International Journals and Conferences.
  ➢ Founder Member of Tapi Softwares Pvt Ltd.

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Patil Rajendra V. (7972507225)