Curriculum Vitae

Rajkumar Sadashiv Jagdale

M.Sc.(CS), Ph.D.(Computer Science-Thesis Submitted)

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Carrier Objective

Experienced Data Science expert with solid background in Mathematics and model development. Interested in the position of Data Analyst / Data Scientist with Accrue Partners to utilize 4 years and 10 Months Research Experience in Data Science. Bringing excellent collaborative and communication skills, as well as programming skills.

Summary

Worked as Junior Research Fellow with strong math background and 4 and 10 Months of Research experience in Sentiment Analysis on Product Reviews and Social media data. Applied Data Extraction, Data Processing, and Machine Learning techniques to solve challenging business problems. Passionate in Sentiment Analysis and Opinion Mining from Social Media. Used R and Python Programming for experimental work. Supportive and enthusiastic team player dedicated to streamlining processes and efficiently resolving project issues.

Experience

Junior Research Fellow - 09/2015 to 06/2020   (Thesis Submitted)

Data Analytics Research Lab, Dept. of Computer Science and IT,

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

Project Title: Analyzing Popularity of online Products using Aspect Level Sentiment Analysis

- Crawled Live social media data like Twitter, Facebook and E-Commerce Website, etc.
- Data Preprocessing, Feature Extraction
- Performed experiment work in Sentiment Analysis using R and Python
- Developed a Model for Predicting Sentiment of Online product Reviews using Machine Learning Algorithms
- Having Knowledge of Hadoop Technology
- Experience to take Practical experiments on a different subjects like Machine Learning, Data Mining, R Programming, Web Analysis, and Development, etc.

Certification Courses / Other Courses

1. Completed One Month Internship program on "AI and ML for Professors and Research Scholar" conducted by Cognifront Software Pvt. Ltd on 20th June -20th July 2020

2. Five days Skill Enhancement Programme on "Deep Learning" conducted by Forsk Coding School, Jaipur, Rajasthan on 09-13 June 2020

3. Five days Faculty development Programme "Python and Emerging Trends in Machine Learning" conducted by Forsk Coding School, Jaipur, Rajasthan on 02-06 June 2020

4. Two week Skill Enhancement Programme on "Supervised and Un-Supervised Learning" conducted by Forsk Coding School, Jaipur, Rajasthan on 19-30 May 2020

5. One week Skill Enhancement Programme on "Python for Data Science" conducted by Forsk Coding School, Jaipur, Rajasthan on 11-17 May 2020

6. R training and passed exam organized at MGM's Dr. G. Y. Pathrikar College of Computer Science and Information Technology in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT on Bombay.

7. "Complete Python Bootcamp: Go from zero to hero in Python 3" online course on May 2020

8. "Learn R for Business Analytics from Basics" online course May-2020

9. "R Basics – R Programming Language Introduction" online course April-2020

10. "R programming : Advanced Analytics in R for Data Science" online course Nov-2019

Skill Highlights

- R and Python programming
- Machine Learning Algorithms
- SQL(MySQL)
- Business and Domain Knowledge
- Data Extraction, Pre-processing
- Data Visualization
- Communication Skill
- Mathematics and Statistics

Projects

M.Sc. **(Computer Science)** (Dec-2013-Apr-2014)	**Project Name**: String Matching Using MapReduce on Hadoop Platform **Role**: Designer, Developer **Technology used**: Hadoop 1.2.1 (Stable version), Eclipse, JAVA **OS used** : Linux (Ubuntu 12.04) **Description**: The goal of the project is to find the particular pattern using any string matching algorithm from file and count the frequency of that pattern. File must be from HDFS to find all occurrences of a pattern in the text.
B.Sc. **(Computer Science)**	**Project Name**: Departmental Library **Role**: Designer, Developer

(Dec-2011-May 2012)   **Technology used**: Visual Studio 2010, MS-Access
OS used: Windows 7
Description: Project is used for to Store Books, Thesis, journals etc. and to issue and return facility for students in Dept. of CS & IT Dr.B.A.M.U Aurangabad.

Personal Projects

Project Title: Exploratory Data Analysis and Classification Using the Zomato Bangalore Restaurants Dataset
Programing Language and IDE: Python, Jupyter Notebook
Description:

Exploratory Data Analysis and Classification of Using the Zomato Bangalore Restaurants Dataset from Kaggle. In this Project, I performed Supervised Learning Algorithms and did Exploratory Data Analysis on the Zomato Bangalore Restaurants Dataset from Kaggle. In this project Logistic Regression, Decision Tree, K-Nearest Neighbors, Random Forest, Support Vector Machine, Gradient Boosting and Naive Bayes.
Githhub Link:

https://github.com/rajkumarjagdale/Exploratory-Data-Analysis-and-Classification-Using-the-Zomato-Bangalore-Restaurants-Dataset

Educational Qualification

Doctor of Philosophy: Computer Science (**Thesis Submitted**) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2015 to till date
Master of Science (Computer Science) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad CGPA: 8.21	**2012-2014**
Bachelor of Science (Computer Science) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad CGPA: 9.49	**2009-2012**
H. S. C. (Science) Maharashtra State Board of Secondary & Higher Secondary Education, Pune Percentage: 70.00	**2007**
Agri. Diploma Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani Percentage: 75.83	**2003-2005**
S. S. C. Maharashtra State Board of Secondary & Higher Secondary Education, Pune Percentage:79.86	**2003**

Honors and Awards

1. Got Scholarship from Japan Student Services Organization (JASSO), Japan to attend Spring School , organized by Tokushima University , Japan on 12-22 March 2019

2. Awarded with DST Inspire Fellowship for Ph.D. under INSPIRE Scheme of Ministry of Science & Technology, Department of Science & Technology (DST), Government of India (Sanction No. No. DST/INSPIRE Fellowship/2015/IF150820) Year : March-2016

3. Gold Medal in M.Sc. (Computer Science) in year 2014 and secured First Rank at the University level degree examination in the Master of Science in subject of Computer Science.

4. Certificate of Merit in M.Sc. (Computer Science) examination held by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad in April-2014 in A++ Division and stood First in order of merit amongst the successful candidates

5. Merit Certificate in AIM's Programming Contest-2011 organized by Smt.Sitaabai Mangilal Agrrwal Inst. Of Management Chalisgaon Jalgaon) held during 13 Feb 2011.

Conferences and Workshops Participated

1. Participated as Volunteer in "University Level Avishkar-2018" organized by Avishkar Cell, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 3-5 January 2019.

2. One Day "Awareness Program of e-Recourses provided by Balani Group of Companies under e-Shodh Sindhu Consortium" jointly organized by Balani group of Companies and Knowledge Recourses Centre (University Laibrary), Dr. BAMU Auranganad on 26th Nov 2018.

3. Participated and Presented Research paper on "Review on Sentiment Lexicons" in International Conference on Communication and Electronics System (ICCES 2018), organized by PPG Institute of Technology, Coimbatore on 15-16, Oct-2018.

4. Participated and Presented Research paper on "Sentiment Analysis on Product Reviews Using Machine Learning Techniques" in International Conference on Cognitive Informatics and Soft Computing (CISC-2017), organized by Vignana Bharathi Institute of Technology, Hyderabad, Telangana 501301 on 21st and 22nd Dec 2017.

5. Participated in One Day Workshop on "Scientific Writing & Publishing Scholarly Articles" organized by Knowledge Resource Center (University Library) Dr. Babasaheb Ambedkar Marathwada University, Aurangabad and Springer Nature on 7th November 2017.

6. Participated in One Day workshop on "Intellectual Property Rights(IPR)" organized by Rashtriya Uchchatar Shiksha Abhiyan, Maharashtra(RUSA) in Collaboration with Rajiv gandhi National Institute of Intellectual Property Management, Nagpur and Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 22nd August, 2016

7. Participated in Five Day Workshop on "Big Data Analytics: A Text Mining Perspective using Hadoop" organized by Computer Club of Dept. of CS & IT, Dr. BAMU Aurangabad. Held during 07-11 March 2015.

8. Participated in Pre Science Congress-2014 Conference on Science and Technology For Human Workshops/Conferences Participated Other Certificates Development organized by ISCA-Aurangabad Chapter, Dr.BAMU Aurangabad during 30-31 Dec, 2014.

9. Participated in International Workshop on "Data and Text Analytics" organized by Dept. of Computer Science, South Asian University, New Delhi, India with U.P. Technical University Lucknow and J.S.S Academy of Technical Education, Noida, during 8-13 Dec 2014.

10. Participated & Got Certificate of Appreciation for contribution in the "University level Avishkar-2014" organized by Dr. B. A. M. U., Aurangabad on November 24-24, 2014.

11. Participated a State Level three Days workshop on "NET/SET/GATE Guidance" in the subject of Computer Science during 16 to 18 June 2014, organized by MGM Dr. G.Y. Pathrikar College of CS and IT, Aurangabad, Maharashtra.

12. Participated in Two Day Workshop on "Hadoop Technology" organized by Dept. of CS & IT, Dr. B. A. M. U., Aurangabad. Held during 22-23 March 2014.

13. Participated in "e-Governance Workshop 2013" organized by Dr. BAMU Aurangabad and Directorate of IT, Govt. of Maharashtra. Held during 30 July 2013.

14. Participated in the 100th Indian Science Congress Association held at Culcutta University Kolkata held during 3 to 7 Jan 2013.

15. Participated in the one day Workshop entitled "Image Processing Techniques Using MATLAB-2012"organized by Maulana Azad College of Arts, Science & Commerce, Aurangabad held during 24 Feb 2013.

16. Participated in C/C++/JAVA CODFEST-2012 organized by Dept. Of CS & IT, Dr. B. A. M. U., Aurangabad during 25 Feb 2012.

17. Participated in International Conference entitled "Knowledge Engineering (ICKE-2011)" organized by Dept. Of CS & IT, Dr. B. A. M. U., Aurangabad. Held during 29 to 31 Jan 2011.

Faculty Development Programme:

1. Participated in one day International Faculty Development Programme on "*AI Based Proctoring in Next Generation Education*" organized by Internal Assurance Quality Cell(IQAC) and School of Computational Science , Chennai on 23th May 2020.

2. Participated in Faculty Development Program on "*Machine Learning Basics and Emerging trends*" organized by School of Computer Science and IT, Devi Ahilya Vishwavidyalaya , Indore , Electronics and ICT Academy and PDPM Indian Institute of Information technology , Design and manufacturing Jabalpur, India on 16th Sept 2017 .

List of Publications in Journals and Conferences:

1. Jagdale R.S., Shirsat V.S., Deshmukh S.N. (2019) Sentiment Analysis on Product Reviews Using Machine Learning Techniques. In: Mallick P., Balas V., Bhoi A., Zobaa A. (eds) Cognitive Informatics and Soft Computing. Advances in Intelligent Systems and Computing, vol 768. Springer, Singapore, (ISBN: 978-981-13-0617-4)

2. Jagdale R.S., Shirsat V.S., Deshmukh S.N.(2018) "Review on Sentiment Lexicons", 3rd International Conference on Communication and Electronics Systems (ICCES), Coimbatore, India, India , IEEE DOI: 10.1109/CESYS.2018.8723913,(ISBN- 978-1-5386-4765-3)

3. Rajkumar S. Jagdale, Vishal S. Shirsat, Sachin N. Deshmukh, "Sentiment Analysis of Events from Twitter Using Open Source Tool", International Journal of Computer Science and Mobile Computing, ISSN 2320–088X, Vol.5 Issue.4, April- 2016, pp. 475-485.

4. Shirsat, Vishal S., Rajkumar S. Jagdale, and S. N. Deshmukh. "Document Level Sentiment Analysis from News Articles." 2017 International Conference on Computing, Communication, Control and Automation (ICCUBEA). IEEE, 2017. DOI: 10.1109/ICCUBEA.2017.8463638

5. Wankhede Rohit, Sachin N. Deshmukh, Rajkumar Jagdale, "Novelty Detection in BBC Sports News Streams", International Journal of Scientific Research in Computer Science Applications and Management Studies , Volume 7, issue 2,March-2018.(ISSN: 2319-1953)

6. Monali V. Waghmare, Rajkumar S. Jagdale, Vishal S. Shirsat "Comparative Analysis Using Lexicon Based Approach", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and ISSN Approved), ISSN:2349-5162, Vol.5, Issue 2, page no. pp1190-1195, February-2018

7. S. G. Chodhary, Rajkumar S. Jagdale, Sachin N. Deshmukh, "Semantic Analysis of Tweets using LSA and SVD", International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN 2278-6856 , Vol.5 Issue 4, August-2016 ,pp. 39-42

8. Vishal S. Shirsat , Rajkumar S. Jagdale, Sachin N. Deshmukh, "Sentence Level Sentiment Identification and Calculation from News Articles Using Machine Learning Techniques", Proceeding of Computing, Communication and Signal Processing 2018 , Advances in Intelligent Systems and Computing, 810, 2018 , DOI 10.1007/978-981-13-1513-8Springer Singapore (ISBN: 978-981-13-1513-8)

9. Shirsat, Vishal S., Rajkumar Jagdale, and S. N. Deshmukh. "Sentence Level Negation Identification from News Articles using Sentiment Analysis.", ICKE-2017, Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) – 431004 (India). (ISBN:978-93-86751-04-1)

Professional Memberships

1. Life member of The Indian Science Congress Association (ISCA)
   [Membership ID: L31791]
2. Life member of The International Association of Engineers (IAENG)
   [Membership ID: 164419]
3. Life Member of Computer Science Teachers Association (CSTA)
   [Membership ID: 55652129]
4. Member of International Computer Science and Engineering Society (ICSES)
   [Membership ID: #2542]
5. Life Member of International Association for Educators and Researchers(IAER)
   [Membership ID: #180833]

Other Certificates

1. Completed Pre-Ph.D Course Work in academic year-2016 with A+ Grade organized by Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) – 431004 (India).
2. Qualified PET (Ph.D. Entrance Test) exam conducted by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad 431004 on Oct-2014.
3. Passed MS-CIT Course With 88 % in Jan 2008 Under MSBTE, Mumbai

Online Webinar Attended

1. Participated in Online Workshop on topic "Code is Poetry" organized by Cognifront Software Pvt Ltd. Nashik, Maharshtra on 12th July 2020.

2. Participated in webinar on topic "***Data Science using Machine Learning***" organized by Institute of Computer Science, Ganpat University, Ahmadabad, Gujrat on 26th May 2020.

3. Participated in webinar on topic "***The Journey of Data Science***" organized by MGM University, Dr. G. Y. Pathrikar College of Computer Science and IT, Aurangabad on 26th May 2020.

4. Participated in IEEE Bangalore Section Researchers Forum Online Workshop on "***IEEE REFERENCE MANAGEMENT TOOL FOR RESEARCH ARTICLES AND THESIS WRITING***" organized by IEEE Bangalore Section on 20th May 2020.

5. Participated in webinar on topic "***Writing Article in Impacted Journal***" organized by MGM University, Dr. G. Y. Pathrikar College of Computer Science and IT, Aurangabad on 19th May 2020.

6. Participated in online webinar on "***Moodle: How to Use.?***" organized by Department of Management Science, Dr. Babasaheb Ambedkar Marathwada University Aurangabad on 09th May 2020.

Personal Information

Name	Rajkumar Sadashiv Jagdale
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Mailing Address	C/O: **Dr. Sachin N. Deshmukh** **Professor,** Department of Computer Science and Information Technology, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad (MS) – 431004 (India). Mobile: +91- 9011526033 / 8668430140 Email : rajkumarjagdale@gmail.com, csit.rsj@bamu.ac.in

References

Dr. Sachin N. Deshmukh

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Dr. Ratnadeep R. Deshmukh

Professor and Former Head

DST-FIST Program Coordinator,

Coordinator, Global Initiative of Academic Networks

Multi-Spectral Research Lab

Augmented Human Computer Interface Research Lab,

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Declaration

I confirm that the information provided by me is true to the best of my knowledge and belief.

Date: Rajkumar S Jagdale

Place: Aurangabad