

## CURRICULUM VITAE

### **Vikul Jagansing Pawar**

Assistant Professor,  
Computer Science & Engg. Dept.  
Government College of Engineering  
Aurangabad.  
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#### **[Career Objective]**

To work in academic, administrative, professional, and challenging environment where in I can effectively use my experience and skills for the benefit and growth of the society and organization.

#### **[Qualification]**

- Pursuing Full Time **Ph.D.** in Computer Science and Engineering Under **QIP** at Computer Science and Engineering Dept, **University College of Engineering, Osmania University, Hyderabad.**
- **M. E. Computer Science and Engineering**, From Government College of Engineering Aurangabad, Dr. BAMU Aurangabad, in 2014 with Distinction (**8.625 CGPA**).
- **B. E. Computer Science and Engineering**, From Babasaheb Naik College of Engineering Pusad, SGB Amravati University in 2006 with First Class (**68.74%**).
- **HSC**, from Anglo Hindi Jr College Yavatmal, Amravati board.
- **SSC**, from G.D. High school pusad, Amravati board.

#### **[Academic and Professional Experience]**

**Total Experience: 13 Years 3 Months.**

- **10 Years and 3 Months** of experience as an **Assistant Professor** in Computer Science & Engineering Dept., **Government College of Engineering Aurangabad**, (from 07<sup>th</sup> January 2011 to till date).
- **18 months** of experience as a **Lecturer** in Computer Science & Engineering Dept., at **Babasaheb Naik College of Engineering Pusad**, (from July 2009 to Dec 2010).
- **2 Years** of experience in Mainframe Software Development at **CapGemini India Pvt Ltd. Pune**, Maharashtra, as an Associate Consultant, (from June 2007 to June 2009).

### [Teaching and Administrative Experience/Responsibility]

- Working as **Assistant Professor in Computer Science and Engineering** department taught various subject to First year, Third year, and Final Year of Computer Science Engineering Students.
- Worked as incharge of Facilitation Center for DSE Engineering Admission **2017-18**.
- Worked as **Departmental Controller of Examiner for Computer Sc. Engg. And MCA** department for **5 Years**.
- Following responsibilities handled while working as DCOE.
  - ❖ Preparation of Panel of Examiner for ESE theory and practical examination
  - ❖ Preparation and conduction of theory examination for two departments.
  - ❖ Preparation and conduction of Practical examination for two departments.
  - ❖ Arranging the Examiner for Practical Exam as per Examiner panel approved by DSB and Examination section.
- Worked as **Warden for Boys Hostel** for **8** years in Government Engineering College Aurangabad, while handling this portfolio worked on various activities related to students and at Institute level, mention as follows.
  - ❖ Preparation of hostel allotment as per category reservation and on merit basis for hostel admission.
  - ❖ Advisory board Member for Co-operative MESS in Boys Hostel
  - ❖ Advisory board Member for Co-operative MESS in Girls Hostel
  - ❖ Taking care of all issues related to Mess contractor of food provided by his agency.
  - ❖ Taking care of maintenance, procurement of items for hostel.
  - ❖ Incharge of Health care unit, under this portfolio I have established **MOU with Shraddha Hospital Aurangabad** for getting quick response in case of emergency, and providing free medical facility to all students in campus.
  - ❖ Incharge member of Security, under this portfolio I have indentified well reputable security agency thru Service Charge base tender processing. And looking after improvement in quality of service and duty provided by agency.
  - ❖ Incharge member of cleaning committee, under this portfolio I have indentified well reputable Cleaning agency thru Service Charge base tender processing. And looking after improvement in quality of service provided by agency.

- Worked as coordinator for various students council and students activities, Such as COMPSA (Computer Students Association) Coordinator, Class Teacher, Departmental Training and Placement coordinator, Member of ARC.
- Worked as Departmental purchase committee member.
- Worked as Departmental Procurement coordinator for TEQIP Phase II.
- Provided Consultancy for Education Department Z. P. Aurangabad.
- Worked on various Interview panel for recruiting Computer Professionals at Collector Office Aurangabad, Social Welfare Office Aurangabad.

### **[Teaching Interests]**

- Data Analytics
- Software Testing and Quality Assurance
- Software Engineering
- Software Project Management
- Software Programming and Compiler Construction
- Distributed Database
- Cyber Security and Cyber Laws
- Advance Computer Network (Post Graduate level subject)
- Blockchain Technology (Post Graduate level subject)
- Computer Programming (C, C++, VB)
- Information Security (Post Graduate level subject)
- Database Management System
- Mainframe COBOL Programming.

### **[Patents]**

1. Published a patent titled ***“LUNG CANCER PREDICTION AND DETECTION USING DEEP LEARNING”*** in *Publication of the Patent Office, India, Application No. 202121009683 A, The Patent Office Journal No. 11/2021 Dated 12/03/2021 page no.12804.*
2. Published a patent titled ***“DS-SYSTEM: DOCTORS GUIDE SYSTEM FOR BRAIN TUMOR DIAGNOSIS USING DATA MINING AND BRAIN TUMOR DETECTION, CLASSIFICATION AND EVALUATION”*** in *Publication of the Patent Office, India, Application No.*

202021057092 A, The Patent Office Journal No. 05/2021 Dated 29/01/2021 page no.4410.

3. Published a patent titled ***“EDUCATIONAL CLOUD FRAMEWORK- A NEW FINDING AS A BETTER PRIVATE CLOUD FRAMEWORK FOR EDUCATIONAL HUB”*** in Publication of the Patent Office, India, Application No. 202021038371 A, The Patent Office Journal No. 38/2020 Dated 18/09/2020 page no.40985.

#### **[Certifications]**

- NPTEL Online Certification awarded on **“Digital Image Processing”** during September-December 2020 (12 Week Course) Conducted by **Indian Institute of Technology Kharagpur.**
- NPTEL Online Certification awarded with **“Silver Medal”** on **“The Joy of Computing Using Python”** during September-December 2020 (12 Week Course) Conducted by **Indian Institute of Technology Ropar.**

#### **[Book-Chapter Publications]**

1. Published a Book-Chapter titled ***“Assistive Technologies for Visually Impaired Persons Using Image Processing Techniques – A Survey”*** in the Publication of *Recent Trends in Image Processing and Pattern Recognition, Third International Conference, RTIP2R 2020, Aurangabad, India, January 3–4, 2020, Revised Selected Papers, Part I, Revised Selected Papers ISBN: 978-981-16-0507-9 (eBook)*  
[https://link.springer.com/chapter/10.1007%2F978-981-16-0507-9\\_9](https://link.springer.com/chapter/10.1007%2F978-981-16-0507-9_9) , **Springer Nature Singapore Pte Ltd. 2021.**
2. Published a Book-Chapter titled ***“Educational Cloud Framework—A Literature Review on Finding Better Private Cloud Framework for Educational Hub”*** in the Publication of *Microservices in Big Data Analytics Second International, ICETCE 2019, Rajasthan, India, February 1st-2nd 2019, Revised Selected Papers ISBN 978-981-15-0127-2 ISBN 978-981-15-0128-9 (eBook)* <https://doi.org/10.1007/978-981-15-0128-9>, **Springer Nature Singapore Pte Ltd. 2020.**
3. Published a Book-Chapter titled ***“Enhancement In Brain Tumor Diagnosis Using Mri Image Processing Techniques”*** in the Publication of *Advanced Informatics for Computing Research Second International Conference, ICAICR 2018, Shimla, India, July 14–15, 2018, Revised Selected Papers, Part II, ISBN 978-981-13-3143-5,*

### [Book Publication]

1. A book published of subject "***Elements of Electronics and Computer Engineering***" for First Year Engineering students of Dr. Babasaheb Ambedkar Marathwada University Aurangabad.

### [Research Paper Publications]

1. Published a paper titled "***Evaluation on Lung Cancer Detection Using Computer Assisted Diagnosis (CAD) System***" in IEEE 7th International Conference on Advanced Computing and Communication Systems (ICACCS) 2021 at Sri Eshwar College of Engineering (Autonomous), Coimbatore, Tamil Nadu, India.
2. Published a paper titled "***Prediction of Degree Student Achievement Analysis***" in the AICTE sponsored International Conference on Recent Innovations in Engineering and Technology (ICRIET 2020), Erode, Tamil Nadu, India during 04-05, December 2020.
3. Published a paper titled "***Lung Cancer Detection System Using Image Processing and Machine Learning Techniques***" at International Journal of Advanced Trends in Computer Science and Engineering Available Online at <https://doi.org/10.30534/ijatcse/2020/260942020>, UGC Approved Scopus Indexed [ISSN 0974-2034] Volume 9, Issue No.4, July – August 2020.
4. Published a paper titled "***Assistive Technologies for Visually Impaired Persons Using Image Processing Techniques - A Survey***" in 3<sup>rd</sup> Biennial International Conference on Recent Trends in Image Processing and Pattern Recognition (RTIP2R) at Dr. BAMU University Aurangabad India January 2020.
5. Published a paper titled "***Implementation of Stable Private Cloud using OpenStack with Virtual Machine results***" at International Journal of Computer Engineering and Information Technology (IJCEIT), UGC Approved Scopus Indexed [ISSN 0974-2034] Volume 11, Issue 4, April 2019.
6. Published a paper titled "***Educational Cloud Framework - A Literature Review on Finding Better Private Cloud Framework for Educational Hub***" at ICETCE-

2019\_Springer IETE Sponsored by **Springer and IETE** at Jaipur India during 1-2 February 2019.

7. Published a paper titled ***“Enhancement In Brain Tumor Diagnosis Using Mri Image Processing Techniques”*** at ICAICR-2018 Sponsored by **Springer and CSI** at Shimla India during 14-16 July 2018.
8. Published a paper titled ***“Android based American Sign Language Recognition System with Skin Segmentation and SVM”*** in IEEE International conference at IISC Bangalore India 2018.
9. Published a paper titled ***“Structuring Cloud Computing Using Big Data Analytics Solution: A Survey”*** at IEEE International conference on Communication and Electronics Systems (ICCES) 2016 at PPG Institute Coimbatore India.
10. Published a paper titled ***“Feature Extraction and selection from MRI Images for the brain tumor classification”*** at IEEE International conference on Communication and Electronics Systems (ICCES) 2016 at PPG Institute Coimbatore India.
11. Published a paper titled ***“Enhancing Information Security in Cloud Computing Environment Using Cryptographic Techniques”*** at IEEE International conference on Communication and Electronics Systems (ICCES) 2016 at PPG Institute Coimbatore India.
12. Published a paper titled ***“Examining the Document Image Binarization Technique for Degraded Document Images”*** at International conference on Technology and Business Management Dubai 2014.
13. Published a paper titled ***“An Improved Binarization Technique For Degraded Document Images Using Local Thresholding Method”*** at International Conference On Emerging Trends In Computer Science & Engineering (Icetcse-2014) And International Journal Of Pure And Applied Research In Engineering And Technology.

#### **[Workshop/Expert Lecture Conducted/Coordinated]**

1. Conducted the TWO DAYS Workshop on **“AWS and DEVOPS”** In MCA and Computer Sc. & Engg Dept; Government College of Engineering Aurangabad

during 19<sup>th</sup> – 20<sup>th</sup> December 2020 under TEQIP, Worked as **Coordinator** for this Workshop.

2. Conducted the ONE WEEK TEQIP-FDP on “**Python Programming for Image Processing**” In Computer Sc. & Engg Dept; Government College of Engineering Aurangabad during 19<sup>th</sup> – 23<sup>rd</sup> September 2018, Worked as **Coordinator** for this FDP.
3. Conducted the ONE WEEK TEQIP-STTP on “**Network Security**” at Government College of Engineering Aurangabad during 7<sup>th</sup> to 11 Oct 2013, Worked as **Coordinator** for this STTP.
4. Delivered Expert lecture on “**Software Testing Technique**” at Government Polytechnic Ambad, on 11 September 2013.
5. Delivered Expert lecture on “**Software Testing Technique**” at Government Polytechnic Jalna, on 11 September 2013.
6. Conducted online exam and interview for the post computer operator in Aurangabad **collector office** in 2013 at CSE Department of GECA & Aurangabad collector office.
7. Conducted the Mainframe trainings for the fresher’s at **CapGemini Pvt Ltd. Pune**.

#### **[Workshop/Conference Attended]**

1. Attended the TWO WEEK Online Live Industrial Training on “**INDUSTRIAL INTERNET OF THINGS (IIoT)**” during 17<sup>th</sup> March to 27<sup>th</sup> March 2021, Organized by National Small Industries Corporation (NSIC), (A Government of India Enterprise) Kamalanagar, Kushaiguda Hyderabad-500062.
2. Attended the ONE WEEK Online Management Development Program on “**Professional Development Training (PDT) for TEQIP Institutions**”, during March 01-06, 2021. at Indian Institute of Management Kozhikode IIMK Campus (post); Kunnamangalam-673570 India.
3. Attended the ONE WEEK AICTE-ISTE Sponsored Online Refresher Program on “**Machine Learning and Pattern Recognition (Phase-III)**” at Dept of Electronics and Tele. Engg, SSBT’s College of Engineering & Tech. Bambhori, Jalgaon (MS) India during 21<sup>st</sup> – 26<sup>th</sup> December 2020.

4. Attended the Online ONE WEEK TEQIP-III STTP on **“Recent Trends in Deep Learning (RTDL-2020)”** at Dept of Information Technology Department, Government College of Engineering Aurangabad, during 4<sup>th</sup> – 8<sup>th</sup> September 2020.
5. Attended the Online ONE WEEK TEQIP-III STTP on **“Image Processing and Data Science with MATLAB (IP&DSWM 2020)”** at Dept of Information Technology Department, Government College of Engineering Aurangabad, during 7<sup>th</sup> – 11<sup>th</sup> July 2020.
6. Attended the Online ONE WEEK TEQIP-III STTP on **“Next Generation Software Tools and Trends for Industrial Solutions: Current Practice”** at Dept of Computer Science & Engg, Government College of Engineering Aurangabad, during 13<sup>th</sup> – 17<sup>th</sup> June 2020.
7. Attended the Online Course on **“Machine Learning with Python”** from IBM and offered through Coursera on 21<sup>st</sup> May 2020.
8. Attended the Online Course on **“Image Denoising Using AutoEncoders in Keras and Python”** from Rhyme and offered through Coursera on 19<sup>th</sup> May 2020.
9. Attended the Online Course on **“Support Vector Machines with Scikit-learn”** from Rhyme and offered through Coursera on 17<sup>th</sup> May 2020.
10. Attended the Online Course on **“Programming For Everybody (Getting Started with Python)”** from University of Michigan and offered through Coursera on 10<sup>th</sup> May 2020.
11. Attended the Online Course on **“Introduction to Data Science on Python”** from Deep learning.ai and offered through Coursera on 9<sup>th</sup> May 2020.
12. Attended the Online Course on **“Neural Networks and Deep Learning”** from University of Michigan and offered through Coursera on 9<sup>th</sup> May 2020.
13. Attended Two week online certification course on **“Digital Transformation In Teaching Learning Process”**, Sponsored by TEQIP, NPIU HRD GOI Delhi and the course was offered by Indian Institute of Technology Mumbai during 6<sup>th</sup> April to 22<sup>nd</sup> April 2020.
14. Attended the Online Certificate of Excellence on **“Certified Peer Reviewer Course”** from Research Academy Elsevier on 27<sup>th</sup> April 2020.
15. Attended the ONE WEEK TEQIP-III STTP on **“Advances in Cloud Computing”** at Dept of Computer Science & Engg, University College of Engineering, Osmania University Hyderabad, during 27<sup>th</sup> – 31<sup>st</sup> December 2019.



16. Attended the TWO WEEK (DST-ICPS Sponsored) on **“Cyber Security, Cryptanalysis and Security For Physical Infrastructure”** at Guru Nanak Institutions Technical Campus Hyderabad, during 9<sup>th</sup> – 20<sup>th</sup> December 2019.
17. Attended the ONE WEEK TEQIP-III STTP on **“Python Programming for Image Processing”** at Government College of Engineering Aurangabad, during 19<sup>th</sup> – 23<sup>rd</sup> September 2018.
18. Attended the ONE WEEK TEQIP-STTP on **“Recent advances in Electromagnetic, RF and Radar Signal Processing”** at Government College of Engineering Aurangabad, during 11<sup>th</sup> – 15<sup>th</sup> June 2018.
19. Attended the ONE WEEK on **“Advance computational Tools in Engineering & Technology”** at Government College of Engineering Nagpur, Sponsored by Directorate of Technical Education Mumbai, during 19<sup>th</sup> – 23<sup>rd</sup> March 2018.
20. Attended the ONE WEEK AICTE FDP on **“Cloud Computing”** at Government Polytechnic Aurangabad, Organized by NITTTR Chandigarh during 23<sup>rd</sup>-27<sup>th</sup> October 2017.
21. Attended the ONE WEEK TEQIP-STTP on **“Optimization in Machine Learning”** at Government College of Engineering Aurangabad during 27<sup>th</sup> Feb to 03 March 2017.
22. Attended the ONE WEEK TEQIP-STTP on **“Signal and Image Processing (SIP 2017)”** at Government College of Engineering Aurangabad during 6<sup>th</sup> to 10 Feb 2017.
23. Attended the TWO WEEK AICTE FDP on **“Computation and Optimization with Matlab”** at NITTTR Kolkata during 26<sup>th</sup> December 2016 to 06 Jan 2017.
24. Attended the ONE WEEK TTT Program (Sponsored by DTE Maharashtra and NASSCOM) on **“Foundation Skill in Information Technology”** at Government College of Engineering Aurangabad during 27<sup>th</sup> June 2016 to 02<sup>nd</sup> July 2016.
25. Attended the ONE WEEK FDP on **“Self-Awareness and Higher Goals in Education”** at IIT Madras during 30<sup>th</sup> May to 03<sup>rd</sup> June 2016.
26. Attended the ONE WEEK TEQIP-STTP on **“Pedagogy to Synergogy”** at Government College of Engineering Aurangabad during 7<sup>th</sup> to 11 Dec 2015.
27. Attended the TWO WEEK AICTE FDP on **“Embedded System Design Using Altium's IDE and FPGA”** at College of Engineering Pune during 15<sup>th</sup> to 26 June 2015.

28. Attended the International Conference on **“Emerging Trends In Computer Science & Engineering (Icetcse-2014)”** at B.N.C. of Engg Pusad during March 2014.
29. Attended the FIVE WEEK **“Foundation Training program”** at YASHDA Training Institute Pune Government of Maharashtra during 10<sup>th</sup> Feb 2014 to 22<sup>nd</sup> March 2014.
30. Attended the ONE WEEK TEQIP-STTP on **“Research Methodology”** at Govt College of Engineering, Aurangabad during 16<sup>th</sup> to 20<sup>th</sup> Dec 2013.
31. Attended the ONE WEEK TEQIP-STTP on **“Network Security”** at Govt College of Engineering, Aurangabad during 7<sup>th</sup> to 11<sup>th</sup> Oct 2013.
32. Attended the TWO WEEK AICTE FDP on **“Computer Security”** at Walchand College of Engineering Sangali during 17<sup>th</sup> to 28<sup>th</sup> June 2013.
33. Attended the ONE WEEK TEQIP-STTP on **“Genetic Algorithm and Neuro Fuzzy Applications in Engineering”** at Govt. College of Engineering Aurangabad during 17<sup>th</sup> to 21<sup>st</sup> Dec 2012.
34. Attended the TWO WEEK ISTE workshop training at B.N.C. of Engg Pusad on **“Image Processing”** during 9<sup>th</sup>-18<sup>th</sup> June 2011
35. Attended the ONE WEEK workshop training at IIT Bombay (Powai) on **“Compiler Construction”** during 7<sup>th</sup>-13<sup>th</sup> Dec 2009
36. Attended corporate training sessions on **COBOL, Vision Plus**, at Capgemini training center Pune.
37. Attended US ascent neutralization training at Capgemini training center Pune.

#### **[Member of Professional Bodies]**

- Life Time member of ISTE (Membership No. LM-78228).
- Life Time member of International Society for Research and Development (ISRDR)
- Life Time Membership of the International Association of Engineers (IAENG).
- Member of World Academy of Science, Engineering and Technology (WASET).
- Member of Institute Research Engineers and Doctors (IREDR)

## **[Industry Experience]**

### **Project at Capgemini India Pvt. Ltd.**

Client : HSBC Bank. (Aug 2007 – June 2009)

#### **DESCRIPTION:**

The project is HSBC credit card for India & Indonesia.

#### **TEAM FUNCTIONALITY:**

- Extracting the customer data from different subsystem.
- Formatting and validating the customer data.
- Populating those data on actual statement.
- Generate the statement and sending to Ondemand for storing purpose and to print center for printing purpose.

#### **RESPONSIBILITY:**

- Preparation of technical specification document.
- Coding modules as per client request.
- Writing jobs in JCL and programs in COBOL.
- Planning, Executing and Monitoring UAT batch.
- Resolving Defect and Issues in SIT and UAT.
- Handling weekly Status calls with the client.
- Training freshers on various tasks related to work.

**Environment:** IBM Mainframe, COBOL, JCL, VSAM.

#### **DECLARATION**

I hereby declare that the information furnished above is true and to the best of my knowledge.

**Date:** \_\_/\_\_/\_\_\_\_

**(VIKUL J. PAWAR)**

**Place:**