

## Profile

### Dr. Azizkhan F Pathan

Associate Professor  
Department of Artificial Intelligence & Machine Learning,  
Bapuji Institute of Engineering and Technology,  
Davangere-577004, Karnataka, India.



## Vision

**To be a dynamic centre of innovation and creativity dedicated to teaching, lifelong learning, professionalism and research.**

## Important Links



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<https://orcid.org/0000-0002-4640-8234>



Scopus

Scopus Author Id

<https://www.scopus.com/authid/detail.uri?authorId=57288921800>



Google Scholar Id

<https://scholar.google.com/citations?user=TtYcAK0AAAAJ&hl=en&oi=ao>



**VIDWAN**

Expert Database & National Researcher's Network

Vidwan-Id

<https://vidwan.inflibnet.ac.in/profile/304317>

## Educational Qualifications

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| 1. | <p><b>Ph.D. in Computer Science &amp; Engineering</b>, VTU, Belagavi, 2022.</p> <p>Title: “<b>Framework for Opinion Mining using Natural Language Processing and Deep Learning- An E-Commerce Perspective</b>”</p> <p>Under the guidance of:</p> <p><b>Dr. Chetana Prakash,</b></p> <p>Professor, Department of Computer Science &amp; Engineering, Bapuji Institute of Engineering &amp; Technology, Davangere.</p> |
| 2. | <p><b>M.Tech. in Computer Science &amp; Engineering</b> from VTU, Belagavi, Bapuji Institute of Engineering and Technology, Davangere, 2014.</p>   |
| 3. | <p><b>B.E. in Information Science &amp; Engineering</b> from VTU, Belagavi, Bapuji Institute of Engineering and Technology, Davangere, 2011.</p>   |

**Strengths**

1.	Untiring dedication towards the institute development.
2.	Attachment with the students as caretaker in all respects.
3.	Zeal to impart employable skills to the students through dedicated teaching-learning process.
4.	Being supportive.

**Professional Experience****Academics – 11.2 years**

1.	Working as Associate Professor in the Department of AI & ML at Bapuji Institute of Engineering and Technology, Davangere from 17 <sup>th</sup> September 2025 – Till Date.
2.	Worked as Associate Professor in the Department of CS&E at Jain Institute of Technology, Davangere from 1 <sup>st</sup> December 2022 – 15 <sup>th</sup> September 2025.
3.	Worked as Assistant Professor in in the Department of CS&E at Jain Institute of Technology, Davangere from 7 <sup>th</sup> July 2014 – 30 <sup>th</sup> November 2022.

**Awards / Achievements received**

1.	Smt Rajeshwari A.C. Jayanna Merit prize for excellent performance in B.E.
2.	Channagiri Virupakshappa Dharmahsala Trust(R) Merit prize for excellent performance in B.E.
3.	Sri Rajanahalli Prema Ramananda Merit prize for excellent performance in M.Tech.

**Academic / Research Publications**

1.	Manjula P, Azizkhan F Pathan, Meghana G R, Kotramma T S, Shafiulla Shariff, Sameer B, “A Novel Digital Imaging Method for Real-Time Soil Nutrient and PH Assessment in Sustainable Farming using Machine Learning”, International Journal of Progressive Research in Engineering Management and Science, Volume 05, Issue 07, 2025, pp. 206-212, DOI: <a href="https://www.doi.org/10.58257/IJPREMS42695">https://www.doi.org/10.58257/IJPREMS42695</a> , ISSN : 2583-1062.
2.	Naresh Patel KM, Azizkhan F Pathan, Kotramma TS, Usha K, Bhuvaneshwari SB, “Parsing Unstructured Healthcare Data Using Regular Expressions”, International Research Journal on Advanced Engineering Hub, Volume 02, Issuer 07, 2024, pp. 2074-2082, DOI: <a href="https://doi.org/10.47392/IRJAEH.2024.0283">https://doi.org/10.47392/IRJAEH.2024.0283</a> , ISSN: 2584-2137.
3.	Gangamma Hediylad, Ashoka K, Govardhan Hegade, Pratibha Ganapati Gaonkar, Azizkhan F Pathan, “A comprehensive survey exploring the application of machine learning algorithms in the detection of land degradation”, Journal of Degraded and Mining Lands Management, Volume 11, Issuer 4, 2024, pp. 2502-2458, DOI: <a href="https://doi.org/10.15243/jdmlm.2024.114.0000">10.15243/jdmlm.2024.114.0000</a> , ISSN: 2339-076X.
4.	Kotramma T S, Azizkhan F Pathan, Vinayaka G S, Varshitha A M, Vikram K, Yashaswini K V, “Automatic Attendance System Using Machine Learning”, International Journal of Engineering Research & Technology, Volume 11, Issue 5, 2023 DOI: <a href="https://doi.org/10.17577/IJERTCONV11IS05044">10.17577/IJERTCONV11IS05044</a> , ISSN: 2278-0181.

5.	Azizkhan F Pathan, Dr. Chetana Prakash, “ <i>Cross-Domain Aspect Detection and Categorization using Machine Learning for Aspect-based Opinion Mining</i> ”, International Journal of Information Management Data Insights, Volume 2, Issue 2, November 2022, pp. 100099, DOI: <a href="https://doi.org/10.1016/j.jjime.2022.100099">https://doi.org/10.1016/j.jjime.2022.100099</a> , ISSN: 2667-0968.
6.	Azizkhan F Pathan, Dr. Chetana Prakash, “ <i>Attention-based position-aware Framework for Aspect-based Opinion Mining using Bidirectional Long Short-Term Memory</i> ”, Journal of King Saud University- Computer and Information Sciences, Volume 34, Issue 10, Part A, November 2022, pp. 8716-8726, DOI: <a href="https://doi.org/10.1016/j.jksuci.2021.09.011">https://doi.org/10.1016/j.jksuci.2021.09.011</a> , ISSN: 2213-1248.
7.	Azizkhan F Pathan, Muskan M, Pooja K, Manu B M, Shreya B H, “ <i>Machine Learning for Parkinson’s Disease Prediction</i> ”, International Journal of Engineering Research & Technology, Volume 10, Issue 11, 2022 DOI: <a href="https://doi.org/10.17577/IJERTCONV10IS11015">10.17577/IJERTCONV10IS11015</a> , ISSN: 2278- 0181.
8.	Azizkhan F Pathan, Dr. Chetana Prakash, “ <i>Unsupervised Aspect Extraction Algorithm for Opinion Mining using Topic Modeling</i> ”, Global Transitions Proceedings, Volume 2, Issue 2, November 2021, pp. 492-499, DOI: <a href="https://doi.org/10.1016/j.gltp.2021.08.005">https://doi.org/10.1016/j.gltp.2021.08.005</a> , ISSN: 2666-285X.
9.	Gangamma H, Pooja H, Azizkhan F Pathan, Dr. Chetana Prakash, “ <i>A Novel Method for Mutual Authentication in Cloud Computing</i> ”, International Journal of Creative Research Thoughts, Volume 9, Issue 5, May 2021, pp. 94-99, ISSN: 2320-2882.
10.	Azizkhan F Pathan, Dr. Chetana Prakash, “ <i>Big Data Mining from Social Networking Services using Spectral Clustering Algorithm</i> ”, International Journal of Innovative Research in Computer and Communication Engineering, Volume 5, Issue 6, June 2017 ISSN (Online): 2320-9801.
11	Azizkhan F Pathan, S B Mallikarjuna, “ <i>A Load Balancing Model Based on Cloud Partitioning for the Public Cloud</i> ”, International Journal of Information & Computation Technology, Volume 4, Issue 16, 2014, pp. 1605-1610, ISSN: 0974-2239.
12.	Azizkhan F Pathan, Sneha N, “ <i>Secure Mobile Data Offloading Model Using Cloud Computing</i> ”, International Journal of Engineering Research & Technology, Volume 2, Issue 13, DOI: 10.17577/IJERTCONV2IS13030, ISSN: 2278-0181.
13.	Azizkhan F Pathan, Sneha N, “ <i>Simulation of Load Balancing Algorithms using Cloud Analyst</i> ”, International Journal of Engineering Research & Technology, Volume 2, Issue 13, DOI: 10.17577/IJERTCONV2IS13084, ISSN: 2278-0181.

### Conferences attended

1.	Presented paper titled “ <b>Automatic Attendance System Using Machine Learning</b> ” in the <b>2<sup>nd</sup> International Conference On Engineering Innovation (ICEI-2023)</b> organized by <b>Jain Institute of Technology, Davangere</b> .
2.	Presented paper titled “ <b>Machine Learning for Parkinson's Disease Prediction</b> ” in the <b>International Conference On Engineering Innovation (ICEI-2022)</b> organized by <b>Jain Institute of Technology, Davangere</b> .
3.	Presented paper titled “ <b>Unsupervised Aspect Extraction Algorithm for Opinion Mining using Topic Modeling</b> ” in the <b>International Conference on Computing System and its Applications (ICCSA-2021)</b> organized by <b>Acharya Institute of Technology, Bengaluru</b> .

4.	Presented paper titled “ <b>Simulation of Dynamic Load Balancing Algorithms using Cloud Analyst</b> ” in the <b>National Conference “TANTRIKEYA-2K14”</b> organized by <b>Department of Studies in Computer Science of Davangere University</b> .
5.	Presented paper titled “ <b>A Load Balancing Model Based on Cloud Partitioning for the Public Cloud</b> ” at an event organized by <b>CS&amp;E Department of AIT, Tumkur</b> .
6.	Presented paper titled “ <b>Simulation of Dynamic Load Balancing Algorithms using Cloud Analyst</b> ” at an event <b>11<sup>th</sup> ISTE Karnataka State Students Convention</b> organized by <b>Shirdi Sai Engineering College, Bengaluru</b> .
7.	Presented paper titled “ <b>Effectiveness of Load Balancing Algorithms of Cloud Computing</b> ” in the <b>National Conference on “Multimedia Technology and Communication System” (NCMTCS’14)</b> organized by <b>CS&amp;E Department of Malnad Engineering College, Hassan</b> .

### Book Chapters

1.	Pathan, Azizkhan F., Prakash, Chetana and Kumar, Manoj. "5 Opinion mining using deep learning for E-commerce industries". Industry 5.0: A New Revolution Through Human-Centric Solution, edited by Yousaf Bin Zikria, Vinod Kumar Shukla, Pradeep Nijalingappa, Manoj Kumar M V and Ali Kashif Bashir, Berlin, Boston: De Gruyter, 2025, pp. 69-88. <a href="https://doi.org/10.1515/9783110736168-005">https://doi.org/10.1515/9783110736168-005</a> .
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### Copyright Granted

1.	Received a copyright for “ <b>Framework for Opinion Mining using Deep Learning</b> ” with the registration number <b>L-121577/2023</b> from Copyright Office, Government of India.
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### Patents published

1.	Published a patent with the title “ <b>Secured IOT container for product delivery system</b> ” with the application number 202241072555.
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### Project Funding

1.	AICTE SPICES sponsored Rs. 2 Lacks funding for CS-UBIQUE for the Academic Year 2022-23.
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### Activities outside

1.	Participated as a <b>jury member</b> for the In-house Project Exhibition “ <b>Progyan 7.0</b> ” organized by the <b>Department of CS&amp;E, Bapuji Institute of Engineering &amp; Technology, Davangere</b> on <b>16.04.2025</b> .
2.	Participated as a <b>resource person</b> for the training on “ <b>MS Excel</b> ” organized by the <b>Department of MBA, Jain Institute of Technology, Davangere</b> on <b>01.01.2025</b> .
3.	Participated as a <b>resource person</b> for the technical talk on “ <b>Technological Advancement in Management Studies</b> ” organized by the <b>Department of MBA, Jain Institute of</b>

	<b>Technology, Davangere on 01.03.2024.</b>
4.	Participated as a <b>resource person</b> for the technical talk on “ <b>Technical Seminar on Cloud Computing</b> ” organized by the <b>Department of CS&amp;E, Jain Polytechnic, Davangere on 25.02.2021.</b>
5.	Served as a <b>resource person</b> in Short Term Training Program on “ <b>Object Oriented Programming using C++</b> ” organized by the <b>Department of CS&amp;E, JIT, Davangere from 13<sup>th</sup> to 16<sup>th</sup> February 2019.</b>
6.	Served as a <b>resource person</b> in Short Term Training Program on “ <b>Object Oriented Programming using C++</b> ” organized by the <b>Department of CS&amp;E, JIT, Davangere from 29<sup>th</sup> January to 2<sup>nd</sup> February 2018.</b>

#### **Exclusive responsibilities in and out of the campus**

1.	E-Shikshana Coordinator
2.	SSP and NSP Coordinator
3.	Mini Project Coordinator
4.	Project Coordinator
5.	Student Mentor
6.	Forum Coordinator
7.	IIC Coordinator

#### **Skill Set**

**C, C++, Python, Application development using Python and JAVA.**

#### **Subjects Taught**

**Artificial Intelligence, Machine Learning, Cyber Security, Big Data, Cloud Computing, Software Engineering, Database Management System, C, C++, JAVA, Python, Advanced Computer Architecture, Data Mining.**

#### **Workshops / Seminars / Conference Organized / Conducted**

1.	Organized Mini Project Exhibition “ <b>StackSphere</b> ” on 22 <sup>nd</sup> April 2025.
2.	Organized Six Day Hands-On FDP workshop on “ <b>Master Math by Python</b> ” from 6 <sup>th</sup> to 11 <sup>th</sup> February 2023.
3.	Conducted a Webinar on “ <b>Why Intellectual Property is Important in Academia?</b> ” on 23 <sup>rd</sup> August 2021.
4.	Conducted an “ <b>Orientation Session for Students and Faculties by Innovation Ambassador</b> ” on 30 <sup>th</sup> August 2021.
5.	Organized two days workshop on “ <b>Artificial Intelligence</b> ” on 3 <sup>rd</sup> & 4 <sup>th</sup> April 2019.
6.	Organized two days workshop on “ <b>Big Data &amp; Hadoop</b> ” on 27 <sup>th</sup> & 28 <sup>th</sup> February 2019.

## Workshops / Seminars / Webinars/ Conference Attended

Attended Six days AICTE Training And Learning (ATAL) Academy Faculty Development Program on **“Next-Gen Cybersecurity: Strategies for a Resilient Digital Future”** from 21/10/2024 to 26/10/2024 organized by JIT, Davangere.

Attended Five days online FDP on **“Applications of AI/ML in Power Systems & Electric Vehicles”** from 05/08/2024 to 09/08/2024 organized by Kishkinda University.

Attended AICTE Training And Learning (ATAL) Academy Faculty Development Program on **“Agile Software Evolution and Microservices Mastery”** from 16/10/2023 to 21/10/2023 organized by BIET, Davangere.

Attended Five Days National Level online Faculty Development Program **“Emerging Trends in Signal Processing, Image Processing and Artificial Intelligence”** from 12/09/2023 to 16/09/2023 organized by SJMIT, Chitradurga.

Attended one week online FDP on **“Recent Trends in Cognitive Science and its Applications”** from 13/03/2023 to 18/03/2023 organized by VVJIET.

Attended Microsoft India & SAP India led Faculty Development Program on **“Artificial Intelligence”** from 23/02/2023 to 25/02/2023.

Attended one week online FDP on **“Emerging Trends and Advances in Computational Intelligence”** from 28/02/2022 to 05/03/2022 organized by BBDITM, Lucknow.

Attended two days online workshop on **“National Cyber Safety and Security Standards”** from 06/01/2022 to 07/01/2022 organized by BIET, Davangere.

Attended 3 days FDP on **“Outcome Based Education and its Roadmap”** from 05/01/2022 to 07/01/2022 organized by JIT, Davangere.

Attended Two-days Workshop on **“Implementation of National Education Policy-2020”** from 10/12/2022 to 11/12/2021 organized by BIET, Davangere.

Attended Orientation/Refresher Programme on **“Recent Trends in Machine Learning and Pattern Recognition”** from 06/12/2021 to 11/12/2021.

Attended Webinar on **“UGC CARE indexing journal list”** on 18<sup>th</sup> July 2021 organized by Progress with Prof. Mahamani, Youtube Channel.

Attended five days FDP on **“Artificial Intelligence & Natural Language Processing”** from 12<sup>th</sup> July to 16<sup>th</sup> July 2021 organized and conducted by VVCE, Mysuru.

Attended six days FDP on **“Application of Artificial Intelligence and Machine Learning with Digital Image Processing”** from 21<sup>st</sup> June to 26<sup>th</sup> June 2021 organized and conducted by PIT, Chennai.

Attended five days FDP on **“PHP & MySQL”** from 11<sup>th</sup> May to 15<sup>th</sup> May 2020 organized and conducted by VIT, Chennai.



Attended three days FDP on “**Python**” from 5<sup>th</sup> May to 9<sup>th</sup> May 2020 Jointly organized and conducted by VIT, Chennai.

Attended Webinar on “**How to protect ourselves from infectious Disease**” on 11<sup>th</sup> May 2020 organized by CIT, Chennai.

Attended Webinar on “**Image Processing – OPENCV**” on 8<sup>th</sup> May 2020 hosted by IETE (Mumbai) in association with PANTECH.

Attended Webinar on “**Machine Learning**” on 2<sup>nd</sup> May 2020 hosted by IETE (Mumbai) in association with PANTECH.

Attended Webinar on “**Opportunities for Engineers and Expectations from Industry**” on 2<sup>nd</sup> May 2020 organized by CIT, Chennai.

Attended Webinar on “**The Art of Writing Research Papers**” on 29<sup>th</sup> April 2020 organized by CIT, Chennai.

Attended Webinar on “**Corona Disease Prediction using Traditional Machine Learning**” on 27<sup>th</sup> April 2020 organized by KPRIET, Coimbatore.

Attended Webinar on “**How to Get Published in Scientific Journal: From Research to Publication**” on 27<sup>th</sup> April 2020 organized by SSRIT, Chennai.

Attended five days workshop on “**Outcome Based Education & NBA Accreditation**” from 27<sup>th</sup> Jan. to 1<sup>st</sup> Feb. 2020 organized and conducted by KLEIT, Hubballi.

Attended five days workshop on “**Data Science & Big Data Analytics**” from 21<sup>st</sup> Jan. to 25<sup>th</sup> Jan. 2020 organized and conducted by BIET, Davangere.

### Professional Memberships

Life Member of Indian Student Technical Education(LMISTE)	LM 126246
Member of International Association of Engineers (IAENG)	226081

### Personal Details

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