CURRICULUM VITAE

PALLAVI KRISHNA PUROHIT
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Name- Pallavi Krishna Purohit (Ph.D.(purs), M.Tech., B.Tech., D.Pharma)
Designation- Assistant Professor, Department of Computer Science & Engineering, Sangam University, Bhilwara
Father's Name- Mr Vinay Kant Purohit

Date of Birth- 10th May, 1990

Google Scholar ID-

https://scholar.google.com/citations?user=hbinTS0AAAAJ&hl=en

ORCID: https://orcid.org/0009-0004-6204-2633

Teaching Experience:

1. Assistant Professor, Department of CSE, Sangam University, Bhilwara since Sept., 2022

2. Assistant Professor, Department of CSE, Mewar University, Chittaurgarh, Sept 2019- Aug 2022

Professional Experience:

1. MEGA SOFT CREATORS PVT. LTD, Jaipur Designing of PHP based Online Examination Website that provides necessary details through the exams conducted by companies for their recruitment purpose. 2011

Professional Qualification:

1. *PhD(purs.) from Sangam University, Bhilwara, (2022-2025)*

2. *Diploma in Pharmacy, Mewar University, Chittaurgarh, 2022*

3. *Master of Technology (CSE) from RTU Kota, 2018*

4. *Bachelor of Technology (CSE) from IIMET, Jaipur, 2011*

Patent

1. Patent **granted** Title- "INTERNET OF THINGS BASED SMART AIR PUMP FOR INFLATABLES on Date-
   25/1/2023

2. Patent **published** Title: "AI/ML- BASED SOLUTION TO IDENTIFY AND SOLVE DISEASE IN PLANTS/CROPS"

3. Patent **published** Title: "AI-BASED CHANGE DETECTION DUE TO HUMAN ACTIVITIES AND FEATURE EXTRACTION SYSTEM FOR REMOTE SENSING IMAGES USING TIME

SERIES DATA"

4. Patent **published** Title: "AI-BASED IDENTIFICATION AND PREDICTION SYSTEM FOR FINANCIAL NEEDS BASED ON DEMOGRAPHY AND ECONOMIC CYCLES"

5. Patent **published** Title: "CAREER CHOICES AND AI-BASED COUNSELING ACCESSIBLE TO EVERY CHILD AT SECONDARY LEVEL ALONG WITH APTITUDE TESTS AND DETAILED CAREER PATHS"

6. Patent **published** Title: "REAL-TIME DISASTER INFORMATION AGGREGATION SOFTWARE USING DEEP LEARNING"

7. Patent **published** Title: "WATER AVAILABILITY-BASED CROP SELECTION AND ADVISORY SYSTEM FOR FARMERS USING MACHINE LEARNING"

Publications

1. Paper published in MUKT SHABD JOURNAL, UGC CARE GROUP I JOURNAL, ISSN: 2347-3150 [Vol. XI-I] on "**A NOVEL TWO PHASE CYCLE ALGORITHM FOR EFFECTIVE CYBER INTRUSION DETECTION IN EDGE COMPUTING**", Date- JANUARY, 2022.

2. Paper presented in ICAIR-2019, Sangam University, Bhilwara on, Dec 2019.

3. Paper presented in ICAIR-2019, Sangam University, Bhilwara on , Dec 2019.

4. Paper published in THE JOURNAL OF ORIENTAL RESEARCH MADRAS ISSN: 0022-3301 |OCTOBER

   2022 11 Vol. X (2): 2022 "**PLANT DISEASES DETECTION BASED ON DEEP LEARNING**"

5. Paper presented ICAIR-2022 an international conference, Sangam University Bhilwara on "**DESIGN AND DEVELOPMENT OF PROTECTED SERVICES IN CLOUD COMPUTING**", OCT 2022.

6. Paper presented ICAIR-2022 an international conference, Sangam University Bhilwara on "**CLOUD COMPUTING: A NEW WAY OF THE DISTRIBUTED COMPUTING**", OCT 2022

7. Paper published in ANVESAK ISSN: 0378 – 4568 UGC Care Group 1 Journal Page | 38 Vol. 55, No.2 (X), July – December 2022 "**AN ENERGY MODEL FOR THE SECURE NETWORKING PERSPECTIVE USING INTERNET ON THINGS**".

8. Paper published in Proceedings of the International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT 2023) IEEE Xplore Part Number: CFP23CV1-ART; ISBN: 978-1-6654-7451-1 "**Design and Development of Protected Services in Cloud Computing Environment**"

9. Paper published in International Conference on Trends in Quantum Computing and Emerging Business Technologies, Pune, India, 2024, (IEEE Xplore) **"Advancement Improving the Acquisition of Customer Insights in Digital Marketing by Utilising Advanced Artificial Intelligence Algorithms,"** doi: 10.1109/TQCEBT59414.2024.10545055.

10. Paper published **"A Comprehensive Study on Framework for Integrated Text Detection and Recognition in Natural Image's Through Unified Deep Learning Approaches"** ICMLCS 2024 (Springer Nature) e-ISBN: 978-981-96-3256-5

11. Paper published in Springer Nature, Title: **"Voting-Based Models for Estimation of Obesity Levels in Individuals"**

12. Paper presented **"Integrating Machine Learning and GeoAI for Enhanced Geospatial Analytics: Advances in Predictive Modeling, Automation, and Environmental Monitoring"** in ICAIR-2025, Sangam University, Bhilwara on, March 2025.

Books:

1. Book published **"Exploring Analytics in numerical method for data cleaning"**, BR international, ISBN: 978-81-971742-6-1 in 2023

2. Book chapter Title: **"Comprehensive Study of Computational Methodologies for Air Pollution Control"** in Comprehensive Study of Computational Methodologies for Air Pollution Control, CRC Press, (Taylor & Francis group) Scopus indexed DOI: 10.1201/9781003605553-3, 2025

3. Book chapter Title: **"Integrating Neuroimaging and Machine Learning for Enhanced Brain Tumor Diagnosis and Prognostication"** in Optimizing Patient Outcomes Through Multi-Source Data Analysis in Healthcare, IGI Global, DOI: 10.4018/979-8-3693-9420

Short Term Course attended:

1. One week Faculty Development Program on "Recent Trends and Advancements on Computer Science" organized by SS college of engineering, Udaipur, Rajasthan March 7-11, 2022

2. Two days Faculty Development Program on "How to develop Project Proposal" organized by IQAC and Research and Development cell, Sangam University. October 20-21, 2022

3. One week Faculty Development Program on "Machine Learning- concepts and applications" organized by department of CSE & IT, Kathua Campus, University of Jammu. March 14-20 2023.

4. Faculty Development Program organized by **E & ICT Academy, IIT Kanpur** on Machine Learning from 27-03-2023 to 02-04-2023.

5. Participated in 5 days Faculty Development Program on " Teaching and Learning Advancements in Science & Engineering" organized by Regional College, Jaipur from 24-28 April 2023.

6. Participated in RUSA sponsored skill development course on Data Analytics and Machine Learning organized by Department of Computer Science & Applications, Punjab University, Chandigarh (India), from October 31 – November 10 2023.

7. One week Faculty Development Program on "Cyber Security & Analysis" organized by Department of Artificial Intelligence & Data Science grom 8-13 January 2024.

8. Participated in 10 Hours International Faculty Development Program on Machine Learning and Artificial Intelligence organized by Pimpri Chinchwad College of Engineering and Research, Ravet, Pune – Maharashtra, Sri Venkateswara Degree College, Kadapa - Andhra Pradesh, SJB Institute of Technology, Bangalore – Karnataka and Sri Indu PG College, Hyderabad – Telangana in Collaboration with ExcelR Edtech Pvt. Ltd. Date: 12th Aug to 19th Aug 2024.

9. One-week International Faculty Development Program on "Ethical Issues in Research Writing" , Organized by Regional College for Education Research and Technology, Jaipur and University of Technology, Jaipur in association with Scientific And Humanities Research Society, Jaipur, Rajasthan, India. September 11 – 16, 2024.

10. One-week International Faculty Development Program on "Cutting Edge Technologies in Computer Science" organized by department of CSE and AIML, Easwari Engineering College, Chennai during 23/9/2024- 29/9/2024.

11. Successfully completed NPTEL Faculty Development Program on Machine Learning with consolidated score of 76%. (Jul-Sept 2024)

12. AICTE Training and Learning (ATAL) Academy Faculty Development Program on Advanced Computational Techniques in Machine Learning: A Comprehensive Faculty Development Program Utilizing R Software at UNIVERSITY OF ENGINEERING AND MANAGEMENT KOLKATA from 25/11/2024 to 30/11/2024.

13. Completed the NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 20-02-2025 to 28-02-2025.

14. One-week International Faculty Development Program organized by Department of Computer Science & Engineering. Astana IT University, Astana, Kazakhstan, 31 March- 4 April 2025.

Workshops Attended and organized

1. Two days National Seminar on "Challenges and Innovative Measures for Enhancement of Education and Research in HEIs of Rural Areas" sponsored by NAAC at Mewar University, Chittaurgarh. October 14- 15, 2022

2. Participated in two days National Workshop sponsored by NAAC, organized by IQAC, Sangam University, Bhilwara, November 24-25 2022.

3. Five days International Workshop on "Applications of Machine Learning and Artificial Intelligence in Research and Innovations" organized by RCERT, Jaipur 2-6 May 2023.

4. One day workshop on "Research Ethics, Tool and Altmetrics" organized oy IQAC, Sangam university, Bhilwara, July 27, 2023.

5. Five days international workshop on "Navigating tomorrow with AI, ML and Data Science for Intelligent Solutions" organized by RCERT, Jaipur, 19-23 March 2024.

Major Responsibilities Undertaken:

- Programme Coordinator for BCA, Sanagam University.
- NAAC committee member for criteria 3, Mewar University.
- Co-coordinator for Digital Marketing with social media of Mewar University.
- Co-Convener of UNIFEST 2022 (Techno Cultural and Fest) Mewar University, Chittaurgarh).

Research Interest:

1. Cloud Computing
2. Internet of Things
3. Digital Marketing
4. Block chain
5. Machine Learning
6. Data Science

Pallavi Krishna Purohit

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Date:

Place: BHILWARA