



PUSHPENDRA DWIVEDI

Assistant Professor –
Computer Science & Engineering

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Kanpur, Uttar Pradesh-208017.



PROFESSIONAL SYNOPSIS

- A dedicated, resourceful, and innovative **Academician and Researcher with 9 years and 10 months** of extensive experience with a proven track record in areas of Computer Science Engineering, pedagogy and research.
- Proficiency and Research Interests in **Operating System, Information Security, Malware Analysis and Cloud Computing.**



EDUCATIONAL QUALIFICATION

Year	Qualification	Percentage	Institution
2005	Matriculation	66 %	UP Board
2007	Intermediate	71 %	UP Board
2012	B. Tech. (CS & E)	72.34%	Krishna Institute of Technology (GBTU, Lucknow)
2016	M. Tech	71.00 %	PSIT (AKTU, Lucknow)
(2019- Pursuing)	Ph.D. (Pursuing)		Rama University, Kanpur



TECHNOLOGY

Subject	Tools and Methodologies	Proficiency
Languages and Web Tech	C, Python, HTML, CSS, Java Script	90%
Malware Analysis	Kali, Cuckoo Sandbox, Zeek, PE Studio	90%
Information Security	WireShark, Nmap, WPScan, BurpSuit	90%
Virtualization	VirtualBox, VMware.	80%
Database	Oracle DB, MySQL	80%
Operating Systems	Microsoft Windows, Linux	75%
Application Packages	Microsoft Office, V S Code	80%



ACADEMIC AND RESEARCH

FIELD OF RESEARCH:

- Malware Analysis using Machine Learning
- Wireless Body Area Sensor Network

PATENTS:

- "Method for identifying covid infection using gene expression level and machine learning model" Australian Patent, (Granted) Nov 2021.

BOOK CHAPTERS:

- "The Ripple Effect of Fake News and Hate Speech on Elections and Its Countermeasures Using Machine Learning Methodologies: A Critical Analysis". CRC Press Taylor & Francis Group, 2024. <https://doi.org/10.1201/9781003409519-5>
- "A Fuzzy-GA for Predicting Terrorist Networks in Social Media". IGI Global, May-2022, <https://doi.org/10.4018/978-1-6684-3942-5.ch010> .

RESEARCH PAPERS:

- ""Malicious Activity Monitoring and Preventing in WSN using Network Screening", TCCE 2023, Lecture Notes in Networks and Systems (LNNS Volume 961), https://doi.org/10.1007/978-981-97-1923-5_46.
- "Malware Classification with Machine Learning Using Multi View Feature Selection and Fusion Approach". RES MILITARIS, 13(2), 7321–7327, (2023).
- "Enhancing Malware Classification Through Feature Integration in Machine and Deep Learning Techniques". RES MILITARIS, 12(1), 659–666, (2022).
- "Analysis and Detection of Evolutionary Malware: A Review. International Journal of Computer Applications, 174(20), 42–45. <https://doi.org/10.5120/ijca2021921005> .
- "An Enhanced SIMPLE Protocol for Wireless Body Area Sensor Network", International Journal of Scientific Research Engineering & Technology (IJSRET), ISSN 2278 – 0882 Volume 6, Issue 3, March 2017.
- "A Prototyped Ad Hoc Routing Protocol for Efficiency Enhancement for Routing in MANET". International Journal of Computer Applications, 133(13), 15–17. <https://doi.org/10.5120/ijca2016908103> .
- "A Survey on Route Maintenance and Attacks in AODV Routing Protocol". International Journal of Computer Applications, 133(9), 23–26. <https://doi.org/10.5120/ijca2016908012> .
- "A Review of Routing Protocols & Techniques for Mobile Ad-Hoc Network", International Journal of Scientific Research Engineering and Technology (IJSRET), ISSN 2278-0882 Volume 4, Issue 7, July 2015(page 782-788)

FDPs/WORKSHOPS ATTENDED:

- "Innovations and Synergies of Artificial Intelligence and Machine Learning" from December 18th to December 22nd, 2023 by iNurture Education Solutions Pvt. Ltd
- One Week Online Faculty Development Program on Emerging Research Trends in Computer Science on 27 July - 02 Aug. 2022, organized by Department of Computer Science and Engineering, Amity University Madhya Pradesh.
- "Statistical Inference" from 26th July 2021 to 30th July 2021 by iNurture Education Solutions Pvt. Ltd
- "Mobile Application" from 5th April 2021 to 16th April 2021 by iNurture Education Solutions Pvt. Ltd.
- "Amalgamation of Technical Pedagogy and Methodology for Effective Teaching-Learning Outcome" from 2021-07-03 to 2021-07-07 at Rama University, Kanpur.
- 10 days FDP on "Blockchain" by iNurture Education Solutions Pvt. LTD (Nov, 2020).
- "Internet of Things (IoT)" by iNurture Education Solutions Pvt. LTD (Nov, 2020).
- "Emerging Trends Issues and Challenges in Next-Generation Technology" at Rama University, Kanpur, (20-24 July 2020).
- A One-Week Short-Term Training Programme on "Microsoft Azure: With Hands-On Session" Department of CSE, Lakireddy Bali Reddy College of Engineering (A), Mylavaram, Andhra Pradesh, India (25-30 May 2020).

- “Emerging Trends for Innovative Teaching & Research Methodologies” at Maharishi University of Information Technology, Lucknow (December 26-30, 2019).
- One week Faculty Development Program in “Information Security & Ethical Hacking” at Poornima University, Jaipur (June 2019).

COORDINATION:

- Program Coordinator, Mentor B. Tech (CTIS) at **Integral University, Lucknow** from December 2022 till now.
- Program Coordinator, Mentor BCA (Cloud Technology and Information Security) and BCA (Mobile Application and Information security at **Maharishi University of Information Technology, Lucknow** from June 2019 to Dec 2022.
- Program coordinator, Mentor BCA (Mobile Application and Web Technology) at **Rama University, Kanpur** from Sep. 2017 to May. 2019.

ADDITIONAL RESPOSIBILITIES:

- Engage with students as a mentor, counselor, and supervise through seminar, project and certification.
- Develop and design new master syllabus, e-content and update existing syllabus to latest industry trends.
- Worked as member of Exam Cell.



CAREER PROGRESSION

2017

iNurture Education Solutions Pvt. Ltd., Bangalore (Integral University, Lucknow)
Sr. Faculty- IT Academics
Sep 2017 – Till Date

2015

Prabhat Engineering College, Kanpur
Assistant Professor
Aug 2015 to Sep 2017

2012

Vision Institute of Technology, Aligarh
Lecturer
Aug 2012 to Sep 2013

2012

FNC Technologies Pvt. Ltd
Software Developer Trainee
June 2012 to Aug 2012



CERTIFICATIONS

- Cisco LABS Crash Course from EC-Council, Jan, 2024.
- CompTIA Security+ Certification (SY0-501) from Infosys Springboard, October 2023.
- Network Defense Essentials from EC-Council, Dec, 2023.
- Oracle Certified Foundation Associate from Oracle, Jan 2022.
- Cyber Security Foundation Professional Certificate from CertiProf April 2021.
- “NoSQL and DBaaS” by cognitiveclass.ai on 25-Dec-2020.
- “MongoDB Security” from MongoDB University on 1 July 2020.
- Blockchain Essence” from The Blockchain School, 14 March 2020
- “Introduction to Dapps” from The Blockchain School, 13 March 2020.
- MongoDB for Node.js Developers from MongoDB University.
- Advanced Google Analytics from Google Analytics Academy.
- Virtualization for Beginners from VMware IT Academy in 2018
- Cloud Computing by NPTEL, IITM in 2018
- MongoDB for Developers May, 2018 from MongoDB University
- industrial training from ‘Small Arms Factory, Kanpur’, Ministry of Defense, Gov. of India.