

CURRICULUM VITAE

Dr. LAKSHMAN SINGH

Ph.D. CSE, M. Tech CSE, MCA

Sr. Assistant Professor

NIET Autonomous Institute in Greater Noida

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ORCID -<https://orcid.org/0000-0002-8839-845X>.

Social media platform-<https://www.facebook.com/JAVABYLAKSHMAN/>

Google scholar <https://scholar.google.com/citations?user=crjgkHUAAAJ&hl=en>



CAREER OBJECTIVE

To excel in Teaching Profession through Continuous Learning, Effective Knowledge Dissemination, Applied Research and Organizing Training Programmers to Academic and Industrial Community

Professional Experience

Total Experience: 8+ years, 6 months

I having 8 plus years hands on Experience software industry as well as Academic and Research as Training Java Full Stack Training and Workshop Mode Class Attending and industrial project Development Java Oracle DB-SQL/Mongo DB web Technology-html css js , Reactjs,J2SE, J2EE, Spring MVC, spring boot and Hibernate.JPA2 Restful Web Services Micro services and java coding ,Java Design Patterns

Teaching and Research Experience

Present Position 8.2 years

1-Currently working as Sr Assistant Professor in Department school of computer application/Computer Science and Engineering at Noida Institute of Engineering and Technology [NIET], at Greater Noida its Autonomous Engineering College (Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow) Uttar Pradesh from **15-Sep-2022-to –Till**

Date URL- <https://www.niet.co.in/>

2-Working as Assistant professor in Department - **School of computer application / Computer Science at IISE Group of Institutions Lucknow** (Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow) Uttar Pradesh from **09-Aug-2016 -to 12- September-2022** _UR- <https://iiseindia.com/>

Industrial Experience: -2.3 year

1-Working as a java **Software Engineer** with **Vengai Software Solutions Pvt Ltd, Hyderabad 23-April-2015 - 28-Jul,-2016** - Current which Provides The Best Environment for innovation and Business Growth. URL – <http://vgsoft.com/>

2-Working as a **Associate software Engineer** with **BOTREE SOFTWARE INTERNATIONAL PVT LTD, Chennai 03-Aug-2014 -to – 19-April-2015** Current which Provides the Best Environment for innovation and Business Growth. URL- <https://botreesoftware.com/>

DOCTORAL STUDIES

Ph.D. Computer Science and Engineering Sarvepalli Radhakrishnan University, Bhopal

- **AREA OF RESEARCH:** “Using Artificial intelligence and Machine Learning in Robust Digital Watermarking Techniques Copyright Protection”

Research Areas

- Monolithic vs. Micro services Architecture using java framework
- Artificial intelligence and machine learning
- Data science
- image processing
- Big data analytics in Cloud computing.
- Mobile Ad Hoc Networks
- Distributed Computing

Latest Research Topics in Doctoral Studies

1. using Artificial intelligence and Machine Learning in Robust Digital Watermarking Techniques for Copyright Protection
2. The application of predictive analytics in personalizing cancer treatment plans
3. Developing natural language processing algorithms for real-time news aggregation and summarization
4. Developing AI-driven models for predictive maintenance in the manufacturing industry.
5. Research Proposal on AI for air quality and weather Prediction on Metropolitan Cities and control in the help of Using Machine Learning Technologies
6. Research proposal on artificial intelligence Using Machine Learning Technologies in academic and solve the Complex problem in assembly hall by Using Lecture
7. artificial intelligence for surgical safety: automatic assessment of the critical view of safety in operation theater treatment for Alzheimer's disease using Deep Learning
8. Artificial Intelligence and E-Health for Inflammatory Bowel Diseases: The Quest to Enhance Patient Experiences, Outcomes and Costs
9. Intelligent traffic control; Gathering and monitoring traffic information using CCTV images.

PROFESSIONAL QUALIFICATION

Ph.D.-CSE	Jun 2023 Computer Science and Engineering Sarvepalli Radhakrishnan University Bhopal
M.Tech.-CSE	Computer Science and Engineering , BIET Lucknow (Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow) Year 2017
PG-Diploma	Video production 2015 from Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya Bhopal MP
MCA	Master Of Computer Application ,IEC COLLEGE OF ENGINEERING AND TECHNOLOGY ECH. GREATER NOIDA (Affiliated to Dr. A.P.J. Abdul Kalam Technical University Lucknow) Year 2014
B.C.A	2010 from Makhanlal Chaturvedi Rashtriya Patrakarita Vishwavidyalaya Bhopal MP
12th	Passed from U.P Board (2006)

Outcome Based Accreditation Assessment And Analysis of Education Quality

- Working with National Board of Accreditation (NBA)
- Working with National Institute Ranking Framework (NIRF)
- Working with National Assessment and Accreditation Council (NAAC)

Coursera Courses with Certificate List

1. Introduction to Java (**LearnQuest**)
<https://coursera.org/share/b0fca90393beb56274ad6fbc1484c24a>
2. Fundamentals of Java Programming (**Board Infinity**)
<https://coursera.org/share/54ab1eecf28750ea410df0f1b1351077>
3. Introduction to Object-Oriented Programming with Java
(**LearnQuest**)
<https://coursera.org/share/648cc49843ca32941960c54513434516>
4. Oracle Database Foundations (**LearnQuest**)
<https://coursera.org/share/9cc068d97d137f7bcccefa8e2685329d>
5. Java Database Connectivity (JDBC) Introduction (**LearnQuest**)
<https://coursera.org/share/8375ef647955b5bece9e64a78130884a>
6. Google SEO Fundamentals (**University of California, Davis**)
<https://coursera.org/share/fe5e09e2cf83cd48558a69ee8a6e1233>
7. Optimizing a Website for Google Search (**University of California, Davis**)
<https://coursera.org/share/6f60a2ace64abee0c0d2d0f4666852dd>
8. Advanced Content and Social Tactics to Optimize SEO (**University of California, Davis**)
<https://coursera.org/share/0ac63dc5002516361bc22456aac6ed69>
9. Spring - Ecosystem and Core (**LearnQuest**)
<https://coursera.org/share/cf8e8b6dab41e42845805527283ec382>
10. Introduction to Java Enterprise Edition (EE) (**LearnQuest**)
<https://coursera.org/share/63c46da92a26868bce35bbbfac4f36a0>
11. Foundations of Project Management (**Google**)
<https://coursera.org/share/cad863038192e2ad3b3e9f9f9582506f>

ACADEMIC AND MANAGEMENT RESPONSIBILITIES

1. Coordinator Departmental Examination Cell.
2. Member Board of Studies.
3. Time to time International Conferences attend and organized
4. Time to time FDP faculty development programed organized
5. Class Coordinators and mentor
6. Work as Head of Examinations
7. Work as Admission Counsellor
8. Work as admission cell in colleges
9. Profound knowledge of the subject areas by using various methods
10. Time to Time assignments Syllabus Planning and Design
11. Feedback of Students
12. Question paper design
13. Project guide
14. Presentation preparation for the lecture notes and guidelines

SUBJECT TAUGHT

- **Java Programming- OOPS**, access modifiers, Exception Handling multithreading,
- **Advance java-** Servlets, JSP, JDBC
- **Web design (Web Technology)-** HTML CSS, Bootstrap JavaScript
- **DBMS-** Data Models in DBMS, Normalization in SQL (DDL DML DRL TQL JOIN)
- **Python programming**
- **Artificial intelligence and machine learning**
- **Design Patterns** in Java
- **Software Engineering**
- **Digital electronics /Computer Organization and Architecture**
- **Computer Networks**

JAVA FULL STACK TRAINER - SKILLS SE

Operating Systems	WINDOWS, UNIX
Languages	JAVA 8
J2EE Technologies	Servlets , JSP,, JDBC
Frameworks	Spring , Spring boot
ORM Frameworks	Hibernate ,JPA2, Spring Data JPA
Web Designing Tools	HTML, CSS, java Script ,bootstrap,
Web Design framework	React js, Angular8,9,16,
Database	Oracle, MySQL,, Workbench, mongo dB
Web Service	XML -DTD vs XSD JAX-B JAX-RS / Jersey
Web Service	restful api , jackson Api ,Jersey,JaxB Api
Web / App Servers	Apache Tomcat, Web logic. Jetty server, Eureka server
Java Desktop Editor	Visual Studio Code, EditPlus,Notpad++
Java IDE /Tools	Eclipse, and STS, Maven
Other Tools	Junit, Jira Tool,Git,,SVN,Log4J, Maven, Postman, PMS
Software development Methodologies	Agile scrum methodology
Microservices Frameworks	Spring Boot, Jersey Frameworks
Spring boot configuration File	application.properties, application.yml
Integration tools	Jenkins
Deploy Application container	Docker, Docker Hub

PERSONAL PROFILE

NAME	Dr. LAKSHMAN JI
Father Name	HEERA LAL (HEAD MASTER)
Date of Birth	18 JUL-1991
Marital Status	Married
Nationality	Indian
ID number	AOBPJ3040A
Languages	English and Hindi.
Address	NOIDA / KANPUR

Online Classes: 3 + Years' Experience

- Online class was a completely new and interesting experience for me
- I have 3 plus years of experience in zoom meeting online class and other platform

Projects Guide

- Java Projects Guide for M.Tech CSE Students-5
- Java Projects Guide for BTech CSE Students-25
- Java Projects Guide for MCA Students-72
- Java Projects Guide for MCA-INT Students-44

Training and Workshop

1. Workshop 17 Days on Java technology MCA Department NIET Greater Noida
October 2024
2. Java training 17 Day Department B.Tech CSE NIET Greater Noida FEB 2023
3. Java training Department MCA-INT NIET Greater Noida MARCH 2023
4. Workshop on oops -Object-oriented programming in MCA Department 2023
5. Workshop 15 Days on Java technology MCA Department NIET Greater Noida
October 2022

SEMINAR

- **Java programming Language** in March 2015 “oracle corporation” **DURGA SOFTWARE SOLUTIONS** Hyderabad,
- **Oracle database** seminar in March 2015 “Oracle corporation” **DURGA SOFTWARE SOLUTIONS** Hyderabad
- **UI Technologies** - seminar in April-2015 HTML CSS, Bootstrap JavaScript, Angular 8, React JS, Domain Registration with web hosting **Naresh i Technologies** Hyderabad
- **4G Wireless Technology** seminar in October 2019 “HCL ” Chennai

Membership in Professional Bodies:

- Editorial board member for the journal of excellence in computer science engineering
- Life Member of Indian Society of Technical Education
- Life Member of Indian Society of Systems for Science & Engineering

FDPs / Conferences / Workshops Attended

SN	FDPs / Conferences / Workshops	Organization	Time
1	Malaviya Mission Teacher Training Programme	Aligarh muslim university	7 Feb To 16 Feb 2024
2	national intellectual property awareness mission	NIPOM/NIET	One day
3	innovative teaching learning practices for preperation of NEP 2020 Department of artificial intelligence and data science	Dy patil school of engineering and technology	6 Feb to 10 Feb 2023
4			

PUBLICATIONS:

- 1- (**Lakshman Jia, Dr. M.Sivak Kumar**) **Robust Digital Watermarking Techniques for Protecting Copyright** IT in Industry, Vol. 9, No.1, 2021, Published Online 18-Mar-2021
ISSN (Print): 2204-0595, ISSN (Online): 2203-1731
,DOI:<https://doi.org/10.17762/itii.v9i1.279>
URL- <http://www.it-in-industry.org/index.php/itii/article/view/279/241>
Emerging Sources Citation Index (ESCI), Web of Science citation index
- 2- (**Lakshman Ji^a, Dr. M.Sivak Kumar^b**) **Design and Implementation of Robust Digital Watermarking using Hybrid technique for Copyright Protection Digital data**
Turkish Journal of Computer and Mathematics Education Vol.12 No.3(2021),
page no -4839-4845 , E ISSN: 1309-4653

URL- (<https://turcomat.org/index.php/turkbilmat/article/view/1988/1721>)

Scopus indexed - (<https://www.scopus.com/sourceid/21100902608>)

3- (Lakshman Ji^a, Dr. M.Sivak Kumar^b) Robust Digital Watermarking Techniques for protecting copyright Applied to Digital Data: A Survey

Turkish Journal of Computer and Mathematics Education Vol.12 No.3(2021), 3819-3825
page no - 3819-3825, (E-ISSN:1309-4653)

URL- (<https://turcomat.org/index.php/turkbilmat/article/view/1669/1415>)

Scopus indexed - (<https://www.scopus.com/sourceid/21100902608>)

4 - (Lakshman Ji, Dr. M.Sivak Kumar, Dr. Varsha Namdeo) Copyright Protection in Insecure Communication Channels Using a Robust Digital Picture Watermark

Design Engineering Issue: 8 Pages: 3614-3628, (E-ISSN: 0011-9342)| Year 2021
DOI:10.17762/TURCOMAT.V12I3.1988 VOL 2021: ISSUE 08

URL

http://www.thedesignengineering.com/index.php/DE/article/view/5308?fbclid=IwAR2wNQcHyDUVyBjB2pH8wqLBCf1UrSF_1awRmQyJbyTi5rI1ht8IZbQGdU

Scopus indexed - (<https://www.scopus.com/sourceid/28687>)

5- Lakshman ji "Relative Analysis of Indiscernible Text Digital Watermarking "

Lakshman ji - International Journal of Computer Science Trends and Technology (IJCST)
Volume 5 Issue 3, May – Jun 2017 Page-47-51, ISSN : 2347 - 8578,
DOI : 10.33144/23478578

URL- <https://www.ijcstjournal.org/volume-5/issue-3/IJCT-V5I3P11.pdf>

(<http://www.ijcstjournal.org/>)

7- Lakshman ji " A Comprehensive Analysis of the Literature on the "Traditional" Monolithic Approach and Micro Services Architecture "

Lakshman Ji , Alka Singh ,Ambrish Kumar Sharma ,Apoorva Joshi , C.S Yadav || NOVEMBER 2022 | VOLUME 20 | ISSUE 15 | PAGE 7695-7699| **ISSN:1303-5150** Lakshman Ji et al/ A Comprehensive Analysis of the Literature on the "Traditional" Monolithic Approach and Micro Services Architecture DOI: 10.14704/NQ.2022.20.15.NQ88760 NeuroQuantology2022;20 (15): 7695-7699, ISSN:1303-5150

URL (<https://www.neuroquantology.com/article.php?id=13041>)

https://www.neuroquantology.com/open-access/A+Comprehensive+Analysis+of+the+Literature+on+the+%2522Traditional%2522+Monolithic+Approach+and+Micro+Services+Architecture_12423/

Scopus Link <https://www.scopus.com/sourceid/11600154151>

8- **Lakshman ji** "EFFECTIVE DIGITAL IMAGE WATER MARKING SYSTEM FOR COPYRIGHT PROTECTION " Lakshman Ji , Alka Singh ,Ambrish Kumar Sharma ,Apoorva Joshi , C.S Yadav NeuroQuantology| NeuroQuantology| NOVEMBER 2022 | VOLUME 20 | ISSUE 15 | PAGE 7700-7708| **ISSN:1303-5150** Lakshman Ji et al/ EFFECTIVE DIGITAL IMAGE WATER MARKING SYSTEM FOR COPYRIGHT PROTECTION DOI Number: 10.14704/NQ.2022.20.15.NQ88761 ,NeuroQuantology2022;20(15): 7700-7708
URL (<https://www.neuroquantology.com/article.php?id=13042>)

https://www.neuroquantology.com/open-access/EFFECTIVE+DIGITAL+IMAGE+WATER+MARKING+SYSTEM+FOR+COPYRIGHT+PROTECTION_12424/

Scopus Link <https://www.scopus.com/sourceid/11600154151>

INTERESTS AND HOBBIES

Have an inclination on Traveling and like to make friends, listening to music and Reading

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

Date:

Place: GREATER NOIDA

Apply for HOD/ Assistant professor

(Dr Lakshman ji)