**CURRICULUM VITAE**



**Dr. LAKSHMAN SINGH**

**Ph.D. CSE, M. Tech CSE, PG DIPL, MCA**

**Sr. Assistant Professor**

**NIET Autonomous Institute in Greater Noida**

**Contact No: +91- 09005229893**

**E-Mail**

**[– Lkshmanji@gmail.com , Lakshman@niet.co.in,](mailto:–  Lkshmanji@gmail.com , Lakshman@niet.co.in,)**

**ORCID -**[https://orcid.org/0000-0002-8839-845X](https://orcid.org/0000-0002-8839-845X?lang=en)**.**

**Social media platform-**[**https://www.facebook.com/JAVABYLAKSHMAN/**](https://www.facebook.com/JAVABYLAKSHMAN/)

**Google scholar** <https://scholar.google.com/citations?user=crjgkHUAAAAJ&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/**](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. A bdul 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,

* **AREA OF RESEARCH:** “Robust digital watermarking techniques copyright protection on digital image”

**Research Areas**

* Monolithic vs. Micro services Architecture using java framework
* Artificial intelligence and machine learning
* Deep Learning
* Data science
* image processing
* Big Data Analysis 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) |
| **10th** | Passed from U. P Board (2004) |

# 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

|  |  |  |
| --- | --- | --- |
| **SN** | ***Coursera Certification*** | **University Name** |
| 1 | Introduction to Java  <https://coursera.org/share/b0fca90393beb56274ad6fbc1484c24a> | LearnQuest |
| 2 | Fundamentals of Java Programming  <https://coursera.org/share/54ab1eecf28750ea410df0f1b1351077> | Board Infinity |
| 3 | Introduction to Object-Oriented Programming with Java  <https://coursera.org/share/648cc49843ca32941960c54513434516> | LearnQuest |
| 4 | Oracle Database Foundations  <https://coursera.org/share/9cc068d97d137f7bcccefa8e2685329d> | LearnQuest |
| 5 | Java Database Connectivity (JDBC) Introduction  <https://coursera.org/share/8375ef647955b5bece9e64a78130884a> | LearnQuest |
| 6 | [Google SEO Fundamentals](https://www.coursera.org/account/accomplishments/records/DZFDQB39R9FQ)  <https://coursera.org/share/fe5e09e2cf83cd48558a69ee8a6e1233> | University of California, Davis |
| 7 | Optimizing a Website for Google Search  <https://coursera.org/share/6f60a2ace64abee0c0d2d0f4666852dd> | University of California, Davis |
| 8 | Advanced Content and Social Tactics to Optimize SEO  <https://coursera.org/share/0ac63dc5002516361bc22456aac6ed69> | University of California, Davis |
| 9 | Introduction to Java Enterprise Edition (EE)  <https://coursera.org/share/63c46da92a26868bce35bbbfac4f36a0> | LearnQuest) |
| 10 | Foundations of Project Management <https://coursera.org/share/cad863038192e2ad3b3e9f9f9582506f> | Google |
| 11 | Foundations: Data, Data, Everywhere https://www.coursera.org/account/accomplishments/certificate/GZW7PCFT8M7B | Google |
| 12 | Spring - Ecosystem and Core <https://coursera.org/share/cf8e8b6dab41e42845805527283ec382> | LearnQuest |

# ACADEMIC AND MANAGEMENT RESPONSBILITIES

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](http://beginnersbook.com/2015/04/data-models-in-dbms/), [Normalization in SQL](http://beginnersbook.com/2015/05/normalization-in-dbms/) (DDL DML DRL TQL JOIN )
* **Python programming**
* **Artificial intelligence and machine Learning Deep learning**
* **Design Patterns** in Java
* **Software Engineering**
* **Digital electronics /Computer Organization and Architecture**
* **Computer Networks**

**Programing language:** -

* JAVA
* PYTHON
* SQL
* Mongo dB
* DBMS
* HTML, CSS, JS

# 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**](http://pediain.com/seminar/Advancements-Towards-4G-Wireless-Technology.php)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 Jia, Dr. M.Sivak Kumarb**) **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**](https://www.scopus.com/sourceid/21100902608) **)**

3- (**Lakshman Jia, Dr. M.Sivak Kumarb**) **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**](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**](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/IJCST-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 (Dr Lakshmana ji)***