R L JALAPPA INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to VTU, Belagavi, Accredited NAAC "A" Grade)

Doddaballapura - 561203, Bangalore Rural District

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

RESUME

Faculty Name	Varshini B R
Designation	Assistant Professor
Area of Interest	Software Testing, Java, Computer Networks.
Email ID	varshinibr@rljit.in

EDUCATION:

Qualification	Institute	University	Year of Passing	Percentage
M Tech (CSE)	Golden Valley Institute of Technology	JNTU	2026	Pursuing
BE	R L Jalappa Institute of Technology	VTU	2018	67.00

TECHNICAL SKILLS: Core Java, Manual testing, Basic SQL, Excel, MongoDB, LaTex.

PROFESSIONAL WORK EXPERIENCE: 2.5 year.

CERTIFICATIONS, FDP/WORKSHOP ATTENDED:

1. Attended a Four Days Faculty Development Program (FDP) on "**AI TOOLS, GENERATIVE ADVERSARIAL NETWORKS (GAN) & YOLO**" Organized by department of computer science &Engineering R.L. Jalappa Institute of Technology.

2. Attended a One Week Faculty Development Program (FDP) on "**Advancement in Artificial Intelligence and Machine Learning (AI & ML)**" from 18th December to 22nd December 2023 by Department of Mechanical Engineering, R.L. Jalappa Institute of Technology.

3. Attended and actively engaged in an Industrial Visit to **XCEL Corp (SA)** on 10-Jan- 2024, coordinated by Varshini BR. Programmer. Received recognition for contributing to the understanding of Software Development & Engineering Life Cycle and gaining insights into IT/Software industry business operations.

4. Completed **NPTEL 12-week course on Programming in Java** (Jul–Oct 2024) gaining foundational and intermediate-level skills in Java programming.

5. **Embedded Linux Programming – Faculty Development Programme** (3-Day Virtual FDP), Maven Silicon – Centre of Excellence in Semicon, Dec 16–18, 2024

6. **Artificial Intelligence Program** – Sponsored by Intel & Do It Yourself Academy (D-I-Y-A), 2025 *Hands-on experiential learning in AI concepts by building real-time applications using HTML and Java.*

7. **EBSCO Training – VTU-EBSCO & AMA Resource Usage** *R.L.Jalappa Institute of Technology 25th February 2025* Successfully completed training on using academic digital library resources through the EBSCO Information Services platform.
8. Participated in the **AICTE-VAANI national workshop** on **Cybersecurity and Cyber-Physical Systems** conducted in **Kannada**, promoting Indian language integration in technical education (July 2025).
9. Successfully participated in a **5-day FDP** on ***"Role of Mentoring in Higher Education – A Need for AI Era"*** organized by **R.L. Jalappa Institute of Technology** and partner institutions (July–August 2025).
10. **GitHub Basics** (Online Course), Aug 2025 – Learned version control fundamentals, repository management, and collaboration workflows

FDP/WORKSHOP CONDUCTED:

1. Successfully organized and facilitated a Workshop on "**Computer Literacy Program and Ideogram AI**" for the year 2023-24, aimed at training non-teaching faculty members, which was well received and positively acknowledged by Participants.
2. Worked as a Coordinator for Two-day Student Development Program (SDP) on "**Mobile App Development with AI** "held on 29-FEB-2024 and 01-MAR-2024, Organized by Dept. Of CS&E (AI & ML) at R.L Jalappa Institute of Technology.

Conference Presentation

- **Machine Learning Based Packet Behavior Prediction in Connectionless Data Communication Networks**
  Presented at academic forums by Varshini B R
  - Developed a model using **Random Forest** and **SVM** to predict network packet behavior in UDP-based environments.
  - Achieved high accuracy (**98.33% for Random Forest**, **97.33% for SVM**) on realistic datasets.
  - Focused on **network performance optimization**, **anomaly detection**, and **real-time predictive analysis** in connectionless systems.
  - Explored key network parameters like **jitter**, **delay**, **packet loss rate**, and **packet size**.

ADDITIONAL RESPONSIBILITIES:

1. Website Committee Coordinator
2. Ladies Hostel Warden

CONTACT DETAILS:
Ms. Varshini B R
Teaching Assistant
Department of Computer Science and Engineering (AI & ML)
R L Jalappa Institute of Technology Doddaballapur - 561 203.
Email ID- varshinibr@rljit.in