

MARY RIYA TERRANCE

Full-stack Developer | Cloud & DevOps Engineer

📍 Kollam, Kerala, India - 691012 | 📞 +91 8590689309 | ✉ maryriya.terrance@gmail.com

🌐 <https://www.linkedin.com/in/mary-riya-terrance-131568352> | 🐙 github.com/Mary138-riya

PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in full-stack development, DevOps workflows, and cloud technologies. Proficient in building Python-based web applications, managing Linux systems, and deploying scalable solutions using Docker and AWS. Strong foundation in databases, networking concepts, and automation across the software development lifecycle.

EDUCATION

Bachelor of Technology in Computer Science & Engineering:- Rajadhani Institute of Engineering and Technology |KTU University 2021 – 2025| Trivandrum, Kerala, India | (CGPA: 6.8)

SKILLS

Technical Skills

- **Programming:** Python, Bash
- **Frameworks & Libraries:** Django, Pandas
- **Web Technologies:** HTML, CSS, JavaScript
- **Databases:** MySQL, SQL
- **Cloud & DevOps:** AWS, Docker
- **Operating Systems:** Linux (Ubuntu, CentOS)
- **Networking:** TCP/IP, Routing, CCNA Concepts
- **Tools:** GitHub, PyCharm, VS Code, Cisco Packet Tracer

Soft Skills

- Problem Solving
- Team Collaboration
- Communication Skills
- Adaptability
- Time Management

PROJECTS

Biometric Attendance System Using Facial Recognition (2024)

- Developed a secure biometric attendance system using real-time facial recognition.
- Implemented Python-based image processing with OpenCV and integrated MySQL for attendance data storage.
- Designed responsive frontend components using HTML, CSS, and JavaScript.

Technologies: Python, OpenCV, MySQL, HTML, CSS, JavaScript

Blood Group Detection Using Fingerprint (2025)

- Developed a system to predict blood groups from fingerprint patterns for emergency medical applications.
- Implemented backend logic using Python and Flask with image processing support from OpenCV.
- Integrated SQL database for data storage and designed the frontend using Angular and Bootstrap.

Technologies: Python, Flask, OpenCV, SQL, Angular, Bootstrap

Weather Desktop Application (2025)

- Developed a desktop GUI application to fetch and display real-time weather data using the OpenWeatherMap API.
- Implemented REST API integration, error handling, and dynamic weather updates for improved reliability.
- Designed a responsive user interface with CSS and emoji-based weather mapping for enhanced user experience.

Technologies: Python, PyQt5, REST APIs, CSS

Bash Automation Suite – Linux System Scripts (2025)

- Developed a mini library management system to automate book tracking and user management using Bash scripting.
- Created an interactive CLI-based calculator supporting arithmetic operations and unit conversions.
- Built a secure password generator with customizable options and basic encryption logic.

Technologies: Bash Shell, Linux (Ubuntu)

COURSES

CCNA (2025)

- Network fundamentals, OSI & TCP/IP models, IP addressing, and subnetting
- Routing and switching concepts including OSPF, EIGRP, VLANs, STP, ACLs, and NAT
- WAN, VPN, SD-WAN, and high-availability networking concepts
- Fundamentals of network automation and infrastructure concepts

RHCSA (2025)

- Linux system administration on RHEL/CentOS including user and group management
- File systems, permissions, process management, and system monitoring
- Service management using systemd and system troubleshooting
- Shell scripting and advanced Linux command-line operations

AWS (2025)

- Core AWS services including EC2, VPC, IAM, Security Groups, and NACLs
- Cloud networking, secure infrastructure design, and OS hardening
- Infrastructure automation using AWS CloudFormation
- Monitoring and logging using CloudWatch

CERTIFICATIONS

- **Java Software Developer** – Infosys Foundation Finishing School for Employability Program
- **Hackathon Participant** – Dekathon 2.0 (Indo-Malaysian International Hackathon), Project on Solid Waste Management
- **IEEE Technical Workshop** – Biped Robotics
- **TATHVA Technical Workshop** – Data Privacy & Protection, AutoCAD, SketchUp, Self-Driving Electric Vehicle