# PATHIPUTTOOR HARSHAVARDANA REDDY

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#### PROFESSIONAL SUMMARY

Results-driven Software Engineer specializing in Java Full Stack Development (Spring Boot & Microservices), Python Full Stack Development, and MERN Stack Web Development. Proficient in DevOps, CI/CD pipelines (Jenkins, Docker, Git), and AWS Cloud Services.

Experienced **Peer Mentor for Continuous Delivery and DevOps**, guiding students in adopting industry best practices. Passionate about leveraging technology to drive innovation and **solve complex real-world problems**. Eager to contribute expertise in **software development**, **cloud computing**, **and DevOps** within a dynamic and collaborative environment. Excited about opportunities to work with **cutting-edge financial technology solutions**, **big data**, **cybersecurity**, **and cloud-based applications** in a global tech-driven firm.

#### **EDUCATION**

#### **B. TECH IN COMPUTER SCIENCE AND ENGINEERING(HONORS)**

Expected in 07/2026

K L Deemed To Be University, Vaddeswaram

GPA: 9.4

INTERMEDIATE 03/2022

BIIT Junior College, Guntur

Percentage: 83%

SSC 03/2020

BHASYAM E.M, HS, Vijayawada

GPA: 10.0

#### RESPONSIBILITIES AND EXPERIENCE

#### **KL UNIVERSITY**

Vaddeswaram, India

#### **Student and Subject Peer Mentor**

08/2023 to Current

• I am currently working as a student and subject peer-mentor at K L University.

#### **CERTIFICATIONS AND ACHIEVEMENTS**

- AWS Certified Developer Associate (DVA-C02), Amazon Web Services, January 2025.
- RedHat Certified Application Developer (EX183), RedHat, September 2024.
- Certified Oracle Professional Java SE11 Developer (1Z0-819), Oracle, August 2024.
- AWS Certified Cloud Practitioner (CLF-C02), Amazon Web Services, April 2024.

#### **SKILLS**

- **Programming Languages**: Proficient in C, C++, Java (Certified Professional from Oracle), Python, and JavaScript.
- Database Management: Skilled in SQL and MongoDB.
- **Frameworks**: Extensive experience with Spring, Spring Boot, and Hibernate.
- **DevOps & CI/CD**: Experience with Jenkins, Docker, Git, and CI/CD pipeline automation.
- Soft Skills: Strong Communication Skills, Problem-Solving, Critical Thinking, Leadership & Mentorship.
- Expertise in **Object-Oriented Programming (OOP)** and **Data Structures and Algorithms (DSA).**
- Full-Stack Development: Expertise in Java Full Stack Development (Spring Boot with React.js), MERN Stack (MongoDB, Express.js, React.js, Node.js), and Django.
- **Backend Development**: Proficient in Node.js, Express.js, Django, and Spring Boot Microservices.
- **Frontend Development**: Proficient in HTML, CSS, React.js, and Next.js.
- Cloud Computing: Skilled in AWS Cloud Services, Deployment, and Infrastructure as Code (IaC).

## **PROJECTS**

## 1. Online Assignment and Grading System (Spring-Boot with React.js):

- Developed a full-stack application to manage assignments, submissions, and grading.
- Integrated JWT authentication & Role-Based Access Control (RBAC).
- Implemented email notifications, reducing grading response time by 40%.
- **Tech Stack:** Java, Spring Boot, React.js, JWT, REST APIs, Email Notifications.
- Project GitHub Link: GitHub-Link

### 2. <u>University Event Management:</u>

- Built an event registration system supporting automated notifications and certificate generation.
- Developed an admin dashboard, streamlining event operations and reducing manual effort by 50%.
- Tech Stack: Java EE, JSP, JPA, SQL, Email Notifications
- Project GitHub Link: GitHub-Link

## 3. <u>Employee Leave Management System (MERN)</u>:

- Built a leave management system with real-time email authentication & approvals.
- Implemented JWT authentication & RBAC, enhancing data security by 60%.
- **Tech Stack:** MongoDB, Express.js, React.js, Node.js, JWT, REST APIs, Email Notifications.
- Project GitHub Link: GitHub-Link

### 4. <u>Music Streaming Services (Python-Django)</u>:

- Developed a full-stack music streaming platform with user authentication & playlist management.
- Integrated real-time streaming capabilities, improving server response time by 35%.
- Tech Stack: Python, Django, PostgreSQL.
- Project GitHub Link: GitHub-Link

## SOCIAL AND CODING PROFILES

- Credly: <a href="https://www.credly.com/users/pathiputtoor-harshavardana-reddy.9fb32c53">https://www.credly.com/users/pathiputtoor-harshavardana-reddy.9fb32c53</a>
- Code-Chef: https://www.codechef.com/users/klu2200030963
- Stop-Stalk: https://www.stopstalk.com/user/profile/klu 2200030963
- HackerRank: <a href="https://www.hackerrank.com/profile/klu">https://www.hackerrank.com/profile/klu</a> 2200030963