NITHYA SRI PALANIVEL

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⭐ SUMMARY

Detail-oriented Software Developer with experience in application diagnostics, debugging, scalable solution development, and enterprise-level system enhancement. Strong foundation in object-oriented programming, database concepts, Python, Java, and software engineering fundamentals. Proven ability to quickly learn new technologies, understand system behaviour, and contribute to real-world development cycles. Experienced in analysing issues, writing clean and optimized code, and collaborating with technical teams. Seeking to contribute as a Software Developer by building reliable, efficient, and high-quality software.

🛠️ TECHNICAL SKILLS

Programming

Java

Software Engineering & Tools

OOP Concepts • SDLC • Debugging • PEGA • Power Platform • Azure Fundamentals

Databases & Systems

MySQL • Basic OS & Networking Concepts

Soft Skills

Analytical Thinking • Problem Solving • Communication • Collaboration • Ownership • Adaptability

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💼 PROFESSIONAL EXPERIENCE

ASSOCIATE SYSTEM ENGINEER

Tata Consultancy Services (TCS) | Sep 2024 – Dec 2025

- Participated in enhancement-based development, contributing to design, implementation, and testing of internal application components.

- Analyzed recurring issues, identified root causes, and supported performance improvements aligned with software architecture guidelines.

- Collaborated with cross-functional teams including developers, architects, and QA to deliver stable and scalable software updates.

- Participated in code testing, configuration, and peer reviews, delivering work within quality expe

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🎓 EDUCATION

B.Tech – Computer Science & Business Systems

K. Ramakrishnan College of Engineering | 2020–2024

CGPA: 9.32 | Gold Medalist (1st Rank)

💡 INTERNSHIPS

JPMorganChase Software Engineering Job Simulation on Forage - January 2026
→ Built a Spring Boot microservice using Kafka, JPA, and REST APIs for high-volume transaction processing.

AWS APAC Solutions Architecture Virtual Experience Program on Forage – January 2026
→ Designed scalable Elastic Beanstalk architecture to eliminate crashes and growth-related downtime.

Vista Equity Partners AI in Action Job Simulation on Forage - January 2026
→ Completed a job simulation involving prompt engineering and GenAI workflow automation.

📁 PROJECTS

Bot-Based System for Cardiovascular Disease Management

Built a Python-based remote monitoring system to collect and track patient vitals, ensuring data integrity and reliability.

Three-Level Security Authentication System

Designed a multi-layer authentication model using graphical password, OTP, and traditional login mechanisms to strengthen application security.

Drug Purchase Reminder System (PEGA)

Developed an automated reminder system to notify users of upcoming medicine purchases, enhancing user workflow efficiency.

Pet Store Management System (PEGA)

Created modules to streamline pet inventory, order management, and workflow automation.

📜 CERTIFICATIONS

- PEGA Certified Senior System Architect
- Python – PrepInsta
- NPTEL: Cloud Computing, IoT, Computer Networks
- Azure Fundamentals
- Microsoft Power Platform
- User-Centric Computing for HCI
- Information Security
- Communication & Leadership Certifications (2025)

🏅 AWARDS & ACHIEVEMENTS

- First Prize – PEGA UAP Tech Show Time

- Third Prize – Cultural Event

- Smart India Hackathon – Intra College Participant

- Presenter – Hyperloop Concept (Kings College of Engineering)

- Presenter – International Conference on Sustainable Development (KLN)

- Presenter – ICETES (KRCE)