

# Hari Priya Muppidi

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## SUMMARY

**Software Engineer** ( $\approx$  2 YOE) delivering impactful full-stack and backend solutions. Expertise: Python, JavaScript, Spring Boot, Flask, React, Node.js, AI/LLMs, AWS, microservices. Proven ability to scale systems, enhance data integrity and cut costs

## PROFESSIONAL EXPERIENCE

**Software Engineer** | *Accenture* | *Hyderabad, IN*

**Aug'21 - Jul'23**

- Averted a high-risk RDF staging failure minutes before deployment, preventing a critical freeze release and protecting revenue operations across 1,000+ retail locations.
- Revamped patch automation pipeline for 100+ Oracle Cloud-hosted app servers using Bash scripts, cutting over 120 manual hours per quarter and driving 3x faster compliance cycles for quarterly finance system updates.
- Safeguarded \$500M+ in daily retail transaction flow by reengineering SSL certificate renewal and dependency validation across 50+ production endpoints, eliminating downtime during peak sales periods.
- Orchestrated 24/7 observability and alerting across 200+ WebLogic and Apache environments, reducing incident response time by 45% and ensuring 99.98% uptime for pricing, inventory, and POS systems used across thousands of stores.
- Accelerated time-to-release by diagnosing staging access errors and resolving backend routing issues, reducing QA blockers by 30% and stabilizing enterprise cloud rollouts.
- Slashed audit prep time by 60
- Resolved high-impact infrastructure incidents across cross-functional stacks — including database, UNIX, backup/storage, network, and Windows — to maintain system reliability and meet SLA targets.
- Performed ServiceNow operations for change management, incident response, problem analysis, and service request handling, ensuring traceability and alignment with ITIL best practices across enterprise infra teams.

## EDUCATION

**Master of Science in Computer Science - University of Georgia**

**Athens,GA**

**Bachelor of Technology in Computer Science - Mahatma Gandhi Institute of Technology**

**Hyderabad,IN**

## PROJECTS

**Gen Z Full-Stack React App** | *React, Node.js, Postgres, AWS, Docker, Kubernetes*

- Shipped a Gen Z slang game built to bridge generational gaps, with the product story published in a custom Node.js blog. Served 10+ active users with zero downtime, modular backend services adhering to REST principles under live traffic.
- Launched the web app with React and TypeScript on S3, Node.js and Express on EC2, and PostgreSQL on RDS for streamlined delivery.

**Capstone project: Time-Series Forecasting for Healthcare** | *Python, TimescaleDB, PatchTST, GCP*

- Achieved sMAPE 24.4% and 23.7% with Multi-scale PatchTST, outperforming the baseline on DTW-aligned datasets.
- Built a GCP + TimescaleDB pipeline with self-supervised pretraining and tuned hyperparameters for scalable, adaptive inference.
- Containerized the application with **Docker** and deployed on **Kubernetes**, ensuring seamless scaling, fault tolerance, and high availability across cloud environments. Integrated **GitHub Actions** to automate deployment and CI/CD pipelines.

**Event-Driven Microservices for E-commerce Platform** | *React, Node.js, AWS, Docker, Kubernetes, Kafka, MongoDB*

- Designed and deployed event-driven microservices for an e-commerce platform, utilizing Kafka for event streaming and MongoDB for data storage, ensuring real-time product updates and order management.
- Containerized the microservices using Docker and deployed them on AWS ECS, ensuring high availability, scalability, and simplified service management. Integrated CI/CD pipelines with GitHub Actions to streamline deployment cycles.

**Art Gallery Management System** | *React, Spring Boot, AWS, Docker, Kubernetes, MySQL*

- Designed a modular Art Gallery Management System and an API-driven backend using Spring Boot for handling artworks, custom-er registrations and events.
- Maintained a MySQL database aligned with component-based design principles and schema.

## SKILLS

**Programming:** Python, JavaScript, TypeScript, Java, SQL, Dart, HTML, CSS

**Databases:** MongoDB, PostgreSQL, Amazon S3, DynamoDB, Redis, MySQL, Vector DB, Oracle, Salesforce

**Frameworks:** Flask, FastAPI, Node.js, Express, Spring Boot, React, Jest, LLM, REST API, GraphQL, Git, Docker, Linux

**Cloud Technologies:** Amazon Web Services (AWS), Google Cloud Platform (GCP)

**Development Practices:** Test-Driven Development (TDD), CI/CD, GitHub Actions, Agile, Software Development Life Cycle

## CERTIFICATIONS AND ACHIEVEMENTS

- AWS Certified AI Practitioner
- Gold Medal in Bachelors - University Rank #1 (Year 1); Dept. Rank #1 (overall).