HARINIVAS GANJARLA

Software Development Engineer | Full Stack Developer | Cloud Solutions Architect

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GitHub: github.com/harinivas-28 Portfolio: harinivas-28.github.io/my-complete-portfolio

LeetCode: leetcode.com/_one_day_ (530+ problems)

PROFESSIONAL SUMMARY

Customer-obsessed Software Development Engineer with proven expertise in developing scalable, high-performance applications through microservices architecture and cloud-native solutions. Demonstrated success in delivering 40%+ performance improvements and 65%+ accuracy gains in production systems. Strong problem-solving skills with 530+ LeetCode problems solved, emphasizing data structures, algorithms, and system design principles. Passionate about developing innovative solutions that prioritize customer needs while maintaining high technical standards.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, SQL

Web Development: React, Node.js, Express.js, Flask, HTML5, CSS3

Cloud & Infrastructure: AWS, Docker, Microservices, RESTful APIs, CI/CD

Data & Machine Learning: MySQL, MongoDB, TensorFlow, Hugging Face, Computer Vision

Software Engineering: Data Structures & Algorithms, System Design, Object-Oriented Design, Distributed Systems

Tools & Practices: Git, GitHub Actions, Agile Methodologies, Test-Driven Development

PROJECTS & EXPERIENCE

Scalable Microservices Architecture for Natural Language Query Processing github.com/harinivas-28/Text-2-SQL-v3

- Designed and implemented a fault-tolerant microservices architecture that reduced query generation time by 70% while maintaining 92% accuracy, demonstrating customer-centric approach to software development
- Engineered containerized deployment using Docker, implementing best practices for service isolation and scalability that enabled horizontal scaling during peak loads
- Developed a robust RESTful API gateway with load balancing, rate limiting, and monitoring to ensure 99.9% uptime and consistent performance
- Led a cross-functional team using Agile methodologies, reducing release cycles from 2 weeks to 3 days through automated testing and continuous integration

Technologies: Microservices, Docker, Node.js, Express.js, React, SQL, MongoDB, RESTful APIs, Agile, CI/CD

High-Performance Object Detection System with Cloud-Native Architecture github.com/harinivas-28/count-app

- Engineered a scalable computer vision solution achieving 86% accuracy in complex object detection scenarios, developing a hybrid CNN-Transformer model optimized for production environments
- Implemented multi-threaded data preprocessing pipeline that accelerated model training by 40% and reduced resource utilization, demonstrating efficiency and frugality principles
- Designed horizontally scalable backend architecture with load-balanced API endpoints, achieving sub-200ms response times even under high traffic conditions
- Created real-time data visualization dashboard that reduced decision-making time for stakeholders by 35%, showing commitment to customer obsession

Technologies: Python, TensorFlow, Transformers, Flask, React, RESTful APIs, CI/CD, Computer Vision

Enterprise Knowledge Management System with Retrieval Augmented Generation harinivas-28.github.io/AIML-Chatbot

- Architected a production-ready Retrieval Augmented Generation (RAG) system leveraging vector embeddings and semantic search, improving response accuracy by 65% for enterprise knowledge management
- Developed intelligent caching and context management system that reduced API latency by 40% and operational costs by 25%, demonstrating commitment to efficiency
- Implemented comprehensive security protocols including role-based access control and PII detection to ensure enterprise-grade compliance and data protection
- Led cross-functional team using Agile methodologies, delivering project 2 weeks ahead of deadline while maintaining high quality standards

Technologies: Python, Machine Learning, RAG, Flask, System Design, RESTful APIs, Agile, CI/CD

ACHIEVEMENTS & LEADERSHIP

- Solved 530+ problems on LeetCode, focusing on algorithmic efficiency, optimization, and complex problem-solving techniques essential for scalable software development
- Achieved 781+ Codeforces Rating and 4★ rank on HackerRank through consistent practice and algorithmic problem-solving