

# Srihari Srivatsa

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## Education

University of Massachusetts Amherst

September 2022 - May 2025

B.S. Computer Science

GPA: 3.45/4.0

Georgia Institute of Technology

January 2026 - December 2027

M.S. Information Security (Online, Part-time)

**Relevant Coursework:** Advanced Algorithms, Data Structures, Software Engineering, Cloud and Database Management, Artificial Intelligence, Intro to Information Security, Cybersecurity Risk Management

**Awards & Certifications:** Dean's List (3x), Eagle Scout, Seal of Biliteracy - Spanish, John & Abigail Adams Scholarship

## Skills

**Coding Languages:** TypeScript/JavaScript, Python, C, SQL

**Web Development:** React, Angular, Flask, Node.js, FastAPI

**DevOps:** AWS Suite (S3, EKS, ELB, EC2, Bedrock, ECR), Kubernetes, Helm, Terraform, Docker, ArgoCD, YAML

**Developer Tools:** Gitlab, Atlassian Suite, Linux, AWS DynamoDB, MongoDB, PostgreSQL

## Work Experience

DevOps Engineering Internship, Veracode, Burlington, MA

June 2025 - December 2025

- Architected a GitLab-integrated internal developer portal using TypeScript, React, and Backstage.io, enabling teams to rapidly discover projects, resources, and documentation, **reducing documentation lookup time by 75%**
- Standardized and automated new service configuration using CI/CD pipelines and Python/Bash scripting, **reducing onboarding time for new services by 90%**
- Prototyped an internal chatbot using AWS Bedrock and ClaudeAI that leveraged a knowledge base of 50+ DevOps standards, templates, and documentation to help engineering teams accurately adopt best practices faster
- Deployed and scaled RenovateBot across 34 repositories, automating dependency updates and **reducing manual maintenance time by 85%**

Artificial Intelligence Engineering Intern, RealityAI Labs, Remote

May 2024 - August 2024

- Developed an LLM-based quiz generation tool using Python, LangChain, GeminiAI, FastAPI, and GCP, enabling educators to generate high-quality quizzes from structured or unstructured files **saving hours of manual creation**
- Leveraged prompt engineering and retrieval-augmented generation (RAG) to extract contextually relevant data from embedded documents to create randomized quiz questions

## Projects

Sri Party Games (<https://sri-party-games.vercel.app/>)

January 2026

- Engineered real-time multiplayer party game platform using TypeScript, React, Node.js, Socket.IO, and AWS DynamoDB, supporting 10+ players per game room with **low latency and zero race conditions**
- Deployed full-stack application on AWS EC2 with nginx reverse proxy, SSL/TLS encryption, and Vercel CDN integration, **achieving 99.9% uptime** through PM2 process management and zero-downtime deployments

Automated Web Application Deployment CLI

February 2026 - Current

- Developing an automated deployment CLI tool that analyzes GitHub repositories and deploys web apps with AWS Infrastructure **monthly cost estimation**, reducing deployment time from **30+ minutes to under 5 minutes**
- Architecting multi-cloud infrastructure using Terraform modules (VPC, K3s Kubernetes, RDS), Vercel API integration, AWS, and FastAPI backend to enable **one-command deployment of full-stack web applications**
- Implementing GitOps-ready deployment system integrating ArgoCD for continuous deployment, nginx ingress, and automated SSL certificate management for **production-grade Kubernetes workloads**