

ADITHYA RAMANUJAM

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EDUCATION

University of Illinois (Urbana–Champaign)

Spring 2024 - Fall 2025

M.S. in Computer Science, High Honors

Champaign, IL

- **Relevant Coursework:** Applied Machine Learning, Parallel Programming, Scientific Visualization, Database Systems

Georgia Institute of Technology

Summer 2019 - Spring 2023

B.S. in Computer Science, ML & HCI, High Honors

Atlanta, GA

EXPERIENCE

JFrog

July 2024 - Present

Site Reliability Engineer

Atlanta, GA

- Developed and launched an agentic AI solution with an 8-member team, designing the core agent with advanced prompt engineering to automate SRE toil, with the potential to eliminate thousands of SRE hours annually.
- Engineered a real-time configuration drift monitoring and auditing service used by over 500 engineers, which assisted in 120+ debugging tasks and reduced 500+ configuration drift keys, saving development teams an estimated 1,848 hours annually.
- Spearheaded the integration of Chaos Engineering into two product development life cycles, personally engaging Gremlin representatives and identifying 12 single points of failure since August 2025; currently scaling for production deployment.

LexisNexis Risk Solutions

September 2022 - July 2024

Site Reliability Engineer

Alpharetta, GA

- Architected and deployed a secure, Terraform/Helm-driven cloud extranet integrating core infrastructure with external providers; successfully passed rigorous financial, security, and load-testing audits to unlock a \$1M value-add.
- Developed Python-based deployment libraries reused across 10+ product teams, standardizing CI/CD and reducing build failures by 25%.
- Built and maintained the core cloud operation observability instrumenting over 100 applications. These latency, error rate, and application health metrics speed up incident awareness by approximately 15 minutes per alert.

CueBack

June 2020 - January 2022

Software Engineer Intern

Remote

- Built collaborative filtering recommendation service in Java which personalized user feeds, increasing engagement by 12%.
- Developed TensorFlow-based colorization model for historical media content, reducing manual editing time by 40%.
- Refactored backend APIs for content delivery, improving response latency by 25%.

Codoxo

May 2021 - August 2021

Frontend Developer Intern

Atlanta, GA

- Built Vue.js geospatial analytics component visualizing fraud clusters; enabled fraud analysis team to identify anomalies 2-times faster.

PROJECTS

this-is-me-ad.info

Personal Website

- My interests fall in-between Machine Learning, Data Analytics, and Sports. this-is-me.ad is where I publish my writings that attempt to combine these topics into an analytical writing answering a seemingly mundane question.

Ethereum Sentiment Analysis

Georgia Institute of Technology

Atlanta, GA

- Collaborated with researchers at Deutsche Bank to build a NLP pipeline in Python to classify crypto market sentiment based on social media data, achieving 85% accuracy and improved correlation with price movements.

Animal-Computer Interaction: Sea Otters

Georgia Institute of Technology

Atlanta, GA

- Worked with researchers at the Georgia Aquarium to design “playable” devices for Sea Otters to track key health data points. Designed devices embedded with gyroscopes, accelerometers, and a Wi-Fi data transmission capabilities.

TECHNICAL SKILLS

Languages: Go, Python, Java, C++, JavaScript/TypeScript, SQL, R

Frameworks & Tools: React, Flask, gRPC, TensorFlow, Redis, Kafka, Terraform, Helm, GitHub Actions, Groovy, Grafana

Cloud & Infrastructure: AWS, GCP, Azure, Kubernetes, Docker, OpenTelemetry, Prometheus, ArgoCD, Postgres

Core Areas: Distributed Systems, Backend Development, Platform Engineering, Machine Learning, Data Analytics

Certifications: AWS Solutions Architect — Associate