

# Adithya Suresh

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## Professional Summary

Software Engineer with 4+ years of experience building and scaling distributed systems, cloud-native services, and backend APIs. Strong expertise in Java, Python, Go, Node.js, AWS, and microservices architecture. Proven record of improving performance, reliability, and automation in enterprise environments. Currently pursuing an M.S. in Information Science.

## Education

University of North Texas

M.S. in Information Science

Expected May 2026

CGPA: 3.9/4.0

Jeppiaar Engineering College

B.E. in Electronics & Communication Engineering

May 2020

## Technical Skills

|                 |   |
|-----------------|---|
| Languages:      | Java, Python, Go, JavaScript/TypeScript, C#, C++, SQL |
| Backend & APIs: | Spring Boot, Node.js, RESTful APIs, Microservices     |
| Databases:      | PostgreSQL, MySQL, Oracle, MongoDB                    |
| Cloud & DevOps: | AWS (Lambda, S3, RDS, SQS), Docker, CI/CD, Git        |
| Tools:          | Postman, Splunk, Jira, ServiceNow                     |

## Experience

Ernst & Young

Software Engineer

Oct 2022 – Jul 2024

- Reduced backend API latency by **25%** by optimizing service-to-service integrations across distributed microservices
- Automated cloud-based data pipelines using **GOSU, SQL, and AWS**, reducing manual operations by **40%**
- Improved system reliability by resolving **20+ database and logging failures**, enhancing observability
- Standardized exception handling and monitoring, accelerating resolution of **10+ weekly production incidents**
- Delivered scalable, client-facing REST APIs supporting enterprise production deployments

Ernst & Young

Associate Software Engineer

Apr 2020 – Oct 2022

- Fixed **100+ high-severity production defects**, improving uptime and release stability
- Enhanced billing and claims processing workflows, increasing data accuracy by **15%**
- Reduced application failures by **20%** by strengthening exception handling and validation logic
- Coordinated multi-environment CI/CD releases in agile development teams

Bharat Electronics Limited

Student Intern

Jul 2018 – Jan 2019

- Completed cross-functional training in testing, quality management, and engineering systems
- Assisted in hardware testing, inspection, defect analysis, and circuit-level system integration

## Projects & Achievements

- Healthcare AI Assistant (Dec 2025):** Built a clinically grounded AI assistant using multi-layer RAG architecture (dual-vector retrieval + GraphRAG), achieving **4.1/5 accuracy** across 400+ medical QA pairs
- Spot Award – EY (Mar 2023):** Recognized for resolving critical production incidents and maintaining **99.9% uptime**
- Client Recognition – EY (Feb 2022):** Automated enterprise workflow, reducing processing time by **50%**

## Certifications

- Azure AZ-900 - Microsoft
- Splunk Fundamentals - Splunk
- Guidewire Associate & Guidewire Specialist – Guidewire