

AMOGH JAGADISH TAMBAD

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EDUCATION

Master of Science, Computer Science Arizona State University, Tempe, AZ	May 2025 4.00 GPA
Bachelor of Technology, Computer Science REVA University, Bangalore, India	May 2021 3.77 GPA

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate (SAA-C03)

PROFESSIONAL EXPERIENCE

Software Engineer DriverAI LLC, Remote	Dec 2025 - Present
<ul style="list-style-type: none">Engineered Terraform automation pipelines for AWS infrastructure provisioning, implementing security controls and best practices across multiple servicesImplemented gamification features with FastAPI backend and MySQL database to increase user engagement and data collection through reward-based incentives	
Site Reliability Engineer (SRE) Intern Arch Mortgage Insurance, Greensboro, NC	Jun 2024 - Aug 2024
<ul style="list-style-type: none">Architected log filtering and routing pipelines using Cribl Stream for OpenShift Kubernetes clusters, reducing Splunk ingestion by 40-50 GB/day (\$32K annual savings) and improving search performance by 20%Automated container image synchronization between Red Hat Registry and Nexus Repository using Ansible and REST APIs, eliminating 90% of manual update overhead and ensuring consistent artifact versions across environments	
System Engineer Cerner Healthcare (Oracle Health), Bangalore, India	May 2021 - Jul 2023
<ul style="list-style-type: none">Led migration of 500TB+ enterprise healthcare data from on-prem infrastructure to AWS using Python and Bash scripts and AWS S3, reducing storage costs by 30%Participated in 24/7 on-call rotations, triaging P1/P2 incidents and performing root cause analysis, reducing mean time to resolution (MTTR) by 35% through improved runbooks and automated diagnosticsTroubleshoot Jenkins pipeline issues through root cause analysis, minimizing support ticket resolution time by 40% and ensuring 99.9% uptime for CI/CD workflows, leading to uninterrupted deployment pipelinesManaged 300+ bi-weekly microservice deployments, using Chef, while also tracking them with JIRA, accelerating delivery of new UI and backend features in a fast-paced production environment	

ACADEMIC PROJECTS

TalkDoc - AI-based Document Filler Python, FastAPI, React, OpenAI GPT-4 GitHub	Nov 2025
<ul style="list-style-type: none">Built an AI-powered web application using FastAPI and React that automates document form completion through conversational interactions, leveraging OpenAI GPT-4 for natural language understanding and intelligent question generationImplemented dynamic conversation flows and document generation, reducing form completion time by 40% while achieving over 90% accuracy in mapping conversational responses to structured document fields	
AWS-based Face Recognition App Python, AWS GitHub	May 2024
<ul style="list-style-type: none">Developed and deployed a Flask-based image recognition app using Gunicorn on AWS EC2, enabling HTTP REST API based uploads and forwarding images to S3 via SQS for asynchronous processing using AWS service API.Designed an auto-scaling app tier that scaled up to 20 EC2 instances based on SQS queue depth, ensuring efficient, real-time image processing under varying workloads	

SKILLS

Languages & Scripting: Python, Go, Bash, Java, SQL

Cloud & Containers: AWS, Docker, Kubernetes, Helm

Infrastructure as Code: Terraform, Ansible, Chef, CloudFormation

CI/CD: Jenkins, GitHub Actions, ArgoCD

Observability: Splunk, Zabbix, Prometheus, Datadog, Grafana

Databases: PostgreSQL, MySQL, MongoDB, Neo4j

Core Competency: Distributed Systems, Microservices, Incident Management, System Design, Agile/Scrum