Anirudh Sayini

352-877-5845 | sayinianirudh16@gmail.com | linkedin.com/in/sayinianirudh | sayini-16.github.io/Portfolio/

Education

University of Florida Aug 2023 – May 2025
Master of Science in Computer Science *GPA: 3.66*

Coursework: Distributed Operating Systems, Advanced Data Structures, Analysis of Algorithms, Data Engineering, Computer Networks, Mobile Computing, User Experience Design

Technical Skills

Languages: Python, JavaScript, TypeScript, Java, SQL, C++

Frontend: Angular, React, RxJS, PrimeNG, Chakra UI, Angular Material, Bootstrap, Vite

Backend: Django, Django REST Framework, Node.js, REST APIs, GraphQL, WebSockets

Cloud & DevOps: AWS (Lambda, S3, SQS, ECS, RDS, API Gateway, Cognito, Amplify, X-Ray), Docker, CI/CD

Databases & Tools: PostgreSQL, DynamoDB, MongoDB, Firebase, Git, Sentry, Stripe API, pytest, Jasmine/Karma

Experience

Software Engineer Oct 2024 – Present
Accoladi.com (ScholarshipAuditions.com) *Nashville, TN*

— Reduced redundant API calls by **35%** by architecting Angular frontend with typed API client using RxJS shareReplay, improving performance across **100K+ daily requests**.
— Secured authentication for **50K+ users** by implementing cookie-based auth, CSRF protection, refresh-token retry logic, and role-based guards, achieving zero auth-related incidents.
— Eliminated backend bottlenecks by building serverless CSV ingestion pipeline using **AWS Lambda + SQS**, enabling **10x faster** bulk student imports with transactional guarantees.
— Reduced manual staff effort by **40%** by designing Django/DRF APIs for media assets, chat archiving, support tickets, and bulk-job workflows.
— Automated 100% of post-payment onboarding by integrating Stripe webhooks for subscriptions and DocuSeal for recruiter compliance signing.
— Cut incident triage time by **50%** by implementing RxJS WebSocket streams for real-time chat and instrumenting Sentry tracing with AWS X-Ray.

Software Engineer Intern Jul 2024 – Oct 2024
ScholarshipAuditions.com *Nashville, TN*

— Shipped 2 major features (student profiles, teacher references) end-to-end within first 6 weeks, reducing support tickets by **25%**.
— Resolved **15+ production issues** using log analysis, database queries, and root-cause debugging, improving platform stability.
— Reduced deployment time by **30%** by containerizing services with Docker and streamlining CI/CD pipelines.

Projects

First Chair America | *React, AWS Lambda, DynamoDB, S3, Cognito, Amplify* 2024
— Launched full-stack app processing **500+ student registrations** with Lambda APIs, DynamoDB single-table design, S3 uploads, and SES notifications.
— Reduced admin workload by **60%** with HMAC-signed token auth and React + Chakra dashboards featuring automated pdf-lib certificate generation.

National Scholastic Musician Awards | *Angular, AWS Amplify, AppSync, Stripe* 2024
— Built Angular SPA supporting **200+ concurrent users** with lazy routes, AppSync GraphQL, Cognito auth, and real-time DataStore sync.
— Processed **$10K+ in payments** through timed assessment engine with dynamic forms, grading logic, and Stripe checkout.

Multimedia Misogyny Detection System | *Python, NLP, Machine Learning* 2023
— Built AI classifier achieving **89.36% accuracy** for content moderation; implemented data pipelines and model monitoring.

Publications & Certifications

Published: "Automation of Profile Reporting System for Misogyny Identification" – IRJET

Google Data Analytics Specialization (Coursera) | HPCC Systems Workshop Digital Badge