Chenchu Gokul Jangam

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Professional Summary

Motivated backend developer with expertise in Python, Java, TypeScript, and AWS. Experienced in designing scalable systems, building ML pipelines, and delivering measurable impact. Adept at working across diverse tech stacks and leveraging AI effectively. Well-versed in SDLC with strong problem-solving skills and passion for high-quality solutions.

Experience

Backend Developer (April 2025 - Present) at AntStack Technologies Private Limited, Bangalore.

AI and ML Engineer(Internship) (February 2025 - April 2025) at Sithafal Technologies, Tirupati.

Engineer Trainee (December 2024 - January 2025) at Cognizant Technology Solutions, Chennai.

Education

Sree Rama Engineering College, JNTU University Tirupati, India

B.Tech Computer Science Engineering, CGPA: 8.03 *2021 – 2024*

Skills & Abilities

Programming Languages: Typescript, Java, Python(Django), JavaScript, Go and HTML/CSS

Databases: SQL(MySQL, MS SQL Server, RDS, Supabase) and No-SQL(DynamoDB)

Tools & Technologies: AWS (IAM, EC2, S3, Lambda, Cloud watch, SQS, Cloud-front, EventBridge, Cloudwatch, SFS and SAM), Git, REST Apis, GraphQL, Websocket, Debugging and Azure DevOps

AI/ML: RAG, Bed rock(AWS), MCP server and Prompt Engineering

Software Development: SDLC, SDLC Methodologies, Debugging, Logging, Version Control, CI/CD

Concepts: Algorithms, Data Structures, OOPS, Problem solving, Data analysis and System Design

Projects

Internal Hiring Platform(ATS)

- Architected and deployed a production-grade ATS with exam-delivery microservice in 2 weeks, achieving 99.2% uptime and supporting 1000+ concurrent users.
- Integrated 5+ applications into unified platform, reducing manual data entry by 70% and cutting hiring cycle time from 15 to 7 days.
- Optimized APIs and database queries, improving response time by 45% while implementing encryption and role-based access control.

AI/ML-Based Demand & Warehouse Stock Prediction System

- Engineered end-to-end ML pipeline for demand forecasting, processing 500K+ daily transactions with 80% accuracy across 20+ warehouses.
- Optimized feature engineering and model selection, reducing prediction RMSE by 35% and improving inventory allocation accuracy.
- Built scalable data infrastructure using PySpark and Databricks, achieving 60% reduction in data processing time.

Healthcare Management & Data Processing Platform

- Refactored 15+ APIs with auto-retry and circuit breaker patterns, reducing error rates by 80% and achieving 99.95% availability on 10K+ daily requests.
- Built intelligent PDF processing pipeline for patient records, automating data extraction and reducing manual entry time by 75% with 98% accuracy.
- Architected cloud infrastructure supporting real-time analytics on 50M+ records, reducing query latency by 55% and cloud costs by 30%.

Technical Interests

Cloud & System Design: Large-scale distributed systems, serverless architectures, microservices on AWS

AI/ML Engineering: LLM integrations, RAG systems, production ML pipelines

Certifications

Data Analytics with Python (NPTEL) – Applied in ML-driven demand forecasting project with PySpark

Cloud Computing (NPTEL) – Hands-on experience with AWS services (Lambda, EC2, S3, CloudFormation, CDK)