

Gnyani Enugandula

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PROFESSIONAL EXPERIENCE

Software Developer

09/2025 – Present

RELI Group Inc.

Syracuse, NY, USA

- Architected **scalable AI-powered automation solutions** using Python, FastAPI, and distributed systems, implementing TDD methodologies to achieve **95% test coverage** and reduce manual processing by **80%**.
- Designed **microservices architecture** with Docker/Kubernetes and CI/CD pipelines, utilizing Agile practices to achieve **99.9% uptime** and **60% faster deployments**.
- Built **distributed data pipelines** using Apache Spark and Redis caching, integrating RAG systems with fault-tolerant architecture to process **10K+ documents daily** and improve query response by **70%**.

Software Developer Intern

02/2025 – 10/2025

- Developed **scalable full-stack application** using FastAPI, React.js, and Azure SQL with Docker, implementing Agile methodologies to enable **2K+ employees** and reduce manual allocation by **60%**.
- Architected **high-performance contract intelligence platform** using Spring Boot microservices with Redis caching and ML models, achieving **70% latency reduction** and **99.5% reliability** while processing **1K+ contracts daily**.
- Designed **distributed RAG pipeline** using FAISS vector stores and multi-agent orchestration, applying ML best practices to achieve **89% recall accuracy** and improve bid win rates by **25%**.

Software Engineer Intern

05/2024 – 05/2025

NEXIS Student Technology Lab

Syracuse, NY, USA

- Designed **scalable ETL data pipelines** using Python, SQL, and Apache Spark, applying data engineering best practices to process **1K+ electoral records** and achieve **95% accuracy** with **60% faster processing**.
- Architected **high-performance backend services** using FastAPI and Spring Boot microservices, implementing RESTful APIs and anomaly detection to achieve **99.9% uptime** and **50% faster response times**.
- Implemented **containerized DevOps workflows** using Docker and Jenkins CI/CD, applying Agile methodologies to reduce experiment cycles from **2 weeks to 2 days** with **100% deployment success**.

Software Engineer

05/2020 – 07/2023

Acmesia Consultants LLP

Thane, India

- Architected **scalable full-stack client portal** using Flask/Django, React.js, and MongoDB with microservices, implementing Agile practices to reduce manual workload by **70%** while serving **500+ users** with **99.8% uptime**.
- Designed **high-performance Node.js microservices** with PostgreSQL and Redis caching, utilizing distributed systems to deliver real-time KPI dashboards with **sub-100ms response times** and **99.9% accuracy**.
- Built **fault-tolerant serverless backend** on AWS using Lambda, API Gateway, and RDS, implementing cloud-native patterns to achieve **99.9% uptime** while reducing costs by **40%** and improving scalability by **300%**.

EDUCATION

Syracuse University, New York

08/2023 – 05/2025

Master of Science in Information Systems

GPA: 3.5/4.00

Coursework: Data Structures and Algorithms, Computer Architecture, Cloud Computing, DBMS, Big Data, Applied AI, Applied ML

TECHNICAL SKILLS

Programming: Python, Java, JavaScript, TypeScript, Go, C++, SQL, Node.js • **Frameworks:** Spring Boot, FastAPI, Django, React, Angular, Microservices, RESTful APIs • **Databases:** PostgreSQL, MySQL, MongoDB, Redis, DynamoDB, Elasticsearch • **Cloud:** AWS (EC2, S3, Lambda, RDS), Azure, GCP, Docker, Kubernetes, CI/CD • **Data:** Apache Spark, Kafka, Hadoop, Big Data, ML, AI • **Tools:** Git, JIRA, Agile, TDD, System Design, Distributed Systems

PROJECTS

RAG-Based Capability Matrix Analysis System

Mar 2025 – June 2025

Tech Stack: Python, LangChain, FAISS, Chroma, FastAPI, Docker

- Architected **scalable RAG pipeline** using Python, LangChain, and distributed systems with OpenAI API and FAISS/Chroma vector stores, applying ML best practices to achieve **89% accuracy** and **70% latency reduction** for intelligent document analysis.
- Implemented **multi-agent orchestration** with fault-tolerant architecture, processing **5K+ documents** with **99.8% reliability** and enabling real-time capability matching for enterprise teams.

WriteUp

June 2024 – Aug 2024

Tech Stack: Python, Django, SQLite, Postman, Visual Studio

- Designed **scalable Django web application** using Python, SQLite, and RESTful APIs, implementing Agile methodologies to enable **1K+ users** with **99.5% uptime** and **sub-200ms load times**.
- Developed **full-stack content management system** with user authentication and peer-generated content features, utilizing Django ORM to handle **10K+ posts** with **95% data integrity**.