

Saloni Priyani

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EXPERIENCE

Data Engineer

January 2024 – Present

CVS Health

New York, NY

- Built end-to-end workflow orchestration tool using GCP Scheduler, PubSub, Cloud Function and Apache Airflow.
- Built ETL pipelines with Apache Airflow to enable targeted marketing campaigns and integration with A/B testing platforms.

Machine Learning Engineering Intern

May 2023 – August 2023

CVS Health

- Developed a Python package utilizing BigQuery for efficient ML experiment management in GCP Vertex AI.
- Integrated package into a production-ready Vertex AI pipeline for batch predictions, reducing setup time by 60%.

Software Engineer

August 2020 – July 2022

Fidelity Investments

- Developed scalable REST APIs with Java Spring Boot for large scale application serving 300,000 users and hosting over 1 million documents.
- Spearheaded the integration of ML models using FastAPI, cutting document processing delays by 6 hours.
- Managed a team of 6 interns and trainees in developing a platform to onboard tenants.
- Championed AWS event-driven architecture implementation (consisting of AWS DynamoDB Streams, SNS, SQS, Step Function and Lambda) in an agile environment for several use-cases.

Software Engineering Intern

May 2019 – July 2019

Fidelity Investments

- Implemented automated user addition functionality using Java Spring API and ReactJS frontend.
- Shipped feature on AWS using CI/CD tools, reducing manual effort by approximately 12 hours for developers.

PROJECTS

Restaurant-Finder Chatbot | *Python, LangChain, FAISS, OpenAI API*

August 2023 – December 2023

- Created a RAG chatbot for precise restaurant recommendations based on user location and dietary preferences.
- Leveraged FAISS for efficient data storage and retrieval.
- Utilized LangChain framework and OpenAI's GPT-3.5 Turbo model for enhanced conversational abilities.

Real-time Movie Recommender | *Flask, Kafka, Docker, Jenkins, Prometheus, SQL*

January 2023 – April 2023

- Utilized SVD for real-time movie recommendations with Kafka data streaming.
- Developed low-latency model inference service using Flask.
- Designed Docker-based deployment pipeline with Jenkins CI/CD, ensuring over 99% uptime and robust monitoring with Grafana/Prometheus while following MLOps and DevOps principles.

Language Detector/Translator App | *Java, Docker, MongoDB, Cloud*

January 2023 – April 2023

- Developed an Android app for language detection and translation.
- Deployed a RESTful web service on GitHub Codespaces cloud using Docker.
- Integrated MongoDB logs for operational analytics to optimize performance.

TECHNICAL SKILLS

Languages: Python, Java

Frameworks: Spring Boot, Flask, Django, FastAPI, JUnit, React, Spark

Developer Tools: Amazon Web Services, Google Cloud Platform, Docker, Terraform, Apache Airflow, Jenkins, Git, SQL (PostgreSQL, MySQL), NoSQL (MongoDB, Firebase)

Certifications: GCP Certified Professional Cloud Developer (2024), AWS Certified Developer - Associate (2021)

EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Master of Information Systems Management

August 2022 – December 2023

- Graduated with Highest Distinction, Dean's List, CGPA: 3.87
- Relevant Coursework: Distributed Systems, ML in Production, Machine Learning, NoSQL Database Management
- Graduate Teaching Assistant: Distributed Systems