

Jaimin Gajjar

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EDUCATION

Indian Institute of Technology, Jodhpur

Nov. 2020 – May 2024

B.Tech. in Artificial Intelligence and Data Science

CGPA - 8.02

Relevant Coursework : DSA, DBMS, Operating Systems, Pattern Recognition & Machine learning, Computer Networks, Data Visualization, Deep Learning, Advanced AI, Dependable AI

Scholar English Academy, Surat — 12th PCM

Percentage - 94%

EXPERIENCE

Oracle India Pvt. Ltd. - Member of Technical Staff (IC2)

June 2024 – Present

Distributed Systems, Object Store, FSS, Kubernetes, Java, OCI

Software Engineering

- Built and scaled distributed data lifecycle systems processing **300TB/day**, achieving **99% reduction in preprocessing time** via automated purge pipelines.
- Reduced annual storage infrastructure costs by **\$2.2M (8.6M → 6.4M)** through storage optimization and retention policies.
- Designed **Kubernetes-based orchestration** and policy-driven workflows, improving system uptime by 30% and reducing engineering overhead.
- Designed and developed a **job runtime prediction system from scratch** for distributed workloads with **10K+ dependent sub-jobs**, handling staged and parent-child execution dependencies.
- Modeled **queue wait times and execution durations per sub-job** based on compute allocation; aggregated predictions to generate end-to-end job completion estimates which delivered prediction with **3% P95 error** for job completion estimates, enabling improved scheduling visibility and planning.
- Scaled a API from 5 RPS to 300 RPS in span of 3 months.
- Architected **hybrid storage systems (FSS + Object Storage)**, reducing storage footprint from **3PB to 2PB** using compression and intelligent and dynamic tiering.
- Achieved **98% cost reduction** in compliance pipelines using archival-tier storage and high-efficiency compression.
- Integrated **AI-assisted development tools (Codex, AIDER)** into ADE, OraReview, and MergeReq workflows to improve developer productivity.
- Managing **large-scale job execution and termination** across EMGC systems, improving system stability and observability.

5 Point AI Labs - Founding Engineer

Dec 2023 – June 2024

Python, LLMs, LangChain, LangGraph, RAG

AI Engineer

- Led a 3 person team to create a MCP like module connecting linkedIn, Amazon Product Listings, Gmail and Outlook clients to scale 0 to 10K+ users.
- Created a platform to connect various social media platforms like instagram, facebook, linkedIn for posting with a single click.

Oracle India Pvt. Ltd. - Project Intern

May 2023 – Jul 2023

Flask, SQL, Pandas, Scipy, Prophet

Data Analyst

- Processed and analyzed **10M+ job queue records across 80+ attributes**, identifying bottlenecks in scheduling and resource allocation, compute utilization patterns.
- Developed a **simulation platform** using time-series and regression models to evaluate “what-if” scenarios across OS, region, and hardware configurations.

PROJECTS

URL Shortener Service — Github

Nov 2023

JavaScript, MongoDB, Redis, Postman

Backend Engineering

- Architected URL Shortening Service with unique, **customizable** links, real-time redirection, and link expiration.
- Implemented **analytics** for insightful link tracking, exposing services through REST APIs.
- For minimum latency, impleted a caching mechanism through **Redis layer**.

Multilingual Information Retrieval — Github

Feb 2023 – May 2023

PyTorch, sentence-transformers

Deep Learning

ACHIEVEMENTS

Secured an **AGR 41 in NTSE**(National Talent Search Examination) Stage-1 conducted by **Govt. of India**.

Head Coordinator of DevUp Labs, Open source Community of IIT Jodhpur.

Secured **Rank 961** in ICPC coding contest in Amritapuri Zone. (2021) **Link** 