

Rohan Chaudhari

Senior Software Engineer, Data & ML Platforms
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SUMMARY

Senior engineer with 6+ years designing and operating large-scale data & ML systems end-to-end (ingestion, orchestration, warehousing, and production pipelines). Delivered high-throughput platforms processing **4M+ geospatial data arrays** and sustaining ingestion at **13 TB every 5 days**; strong Python/SQL with Airflow/dbt and cloud infrastructure. Built latency-focused monitoring workflows and an AI incident analysis assistant; founding engineer at 2 startups (one acquired).

EXPERIENCE

Sifflet

Paris, France

Software Engineer – Monitoring Team

Sept 2025 – Present

- Reduced end-to-end monitoring execution latency by **55%** by improving orchestration, scheduling, and execution workflows for monitoring runs
- Built an AI-driven incident analysis assistant combining logs and metadata to generate summaries, hypotheses, and investigation steps; accelerated issue triage and knowledge sharing

SpaceSense (acquired by xFarm)

Paris, France

Software Engineer – Data & ML Systems

Oct 2020 – Sept 2025

- Owned a production data platform ingesting and processing **13 TB every 5 days** for crop health monitoring, spanning ingestion, processing, storage, and operational workflows
- Built distributed data processing pipelines over **4M+ geospatial data arrays** across 3 countries; increased throughput and reduced iteration cycles from multiple sprints to less than one
- Productionized ML datasets for crop classification and rotation; improved reliability of recurring pipeline runs and accelerated model experimentation
- Developed a Python geospatial library for standardized Sentinel-2 access and raster processing, reducing duplicated pipeline logic and simplifying integration across projects

Vianova.io

Paris, France

Data Scientist

Jul 2019 – Oct 2020

- Built ingestion and aggregation pipelines for geospatial and temporal mobility data from multiple providers
- Automated scheduled workflows to generate production-grade indicators and datasets for analytics and reporting
- Implemented APIs exposing curated mobility metrics for product surfaces and customer integrations

Cyclope.ai (Vinci Autoroutes)

France

Data Scientist – Computer Vision

Jun 2018 – Dec 2018

- Built dataset generation and training workflows for computer vision models (fire/smoke detection in tunnels)
- Developed end-to-end pipelines for vehicle detection and license plate recognition, including data preparation, training, and evaluation
- Applied semi-supervised methods to scale labeled data and improve model performance

EDUCATION

Data Sciencetech Institute

Paris, France

M.Sc. Data Science and Big Data

2017 – 2018

Maharashtra Institute of Technology

Pune, India

B.Eng. Information Technology

2014 – 2017

TECHNICAL SKILLS

Languages: Python, SQL, TypeScript

Data Engineering: DBT, Airflow, Postgres, BigQuery

Distributed / Compute: Ray, Temporal

Backend (supporting): FastAPI, Flask, Django, gRPC, NodeJS

AI / ML (applied): LangChain, VertexAI, SageMaker

Cloud: GCP, AWS, Docker, Kubernetes