




Rishav Sharma

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Data Scientist with over 3 years of experience architecting and deploying scalable AI/ML solutions, specializing in **Generative AI** (RAG, LLMs) and end-to-end **MLOps** within **Palantir Foundry**.

SKILLS

Languages & Frameworks: Python (NumPy, Pandas, Scikit-Learn, Matplotlib), TypeScript, SQL, Apache Spark

AI / ML: Machine Learning (Regression, Classification), Generative AI (LLMs, RAG), Explainability (SHAP)

Platforms & Tools: Palantir Foundry (Workshop, Ontology, Pipeline Builder, Code Repo, AIP suite), REST APIs, Git

EXPERIENCE

Swiss Re GBS India

Bengaluru, India

Data Science Specialist II

Oct 2022 – Present, Full-time

- Designed, Developed & Deployed **3+ end-to-end Data Science & LLM pipelines** in Palantir Foundry (Workshop, Ontology, Pipeline Builder, Code Repo), increasing the productivity of UWs by **30%**.
- Collaborated with **3 cross-functional teams** (underwriting, operations, FinPro) to translate business requirements into ML solutions and actively deliver.

Smart Owl Education (Code-Young)

Bengaluru, India

Online Python Instructor

Nov 2020 – May 2022, Part-time

- Developed and delivered **750+ hours** of interactive Python curriculum (basic to intermediate), serving **25+** students across India, USA, and UAE.
- Implemented **systematic assessments** via Forms based on Python, improving student retention by **25%**.
- Provided **weekly performance reports** and one-on-one feedback sessions to individually guide learning.

PROJECTS

Customer Prioritization | [GitHub](#)

Packt Publications, 2021

- Led end-to-end development of **ML-powered scoring system** analyzing **50+** behavioral features (payment attempts, session activity, device metrics) to predict conversion likelihood, reducing sales outreach targets by **83%** (250/day from 1000+).
- Optimized the classifier (SGD with elastic net) through grid search achieving **precision: 0.98, recall: 0.98**, implementing incremental learning for daily web traffic updates.
- Delivered **63% conversion lift** vs legacy rules-based system through dynamic probability scoring, generating daily prioritized lead lists with automated CSV reports.

Nebula

Swiss Re, 2024-25

- Designed & built “Nebula”, a **Retrieval Augmented Generation (RAG)** assistant on Palantir Foundry, enabling real-time Q&A risk evaluations from unstructured documents.
- Implemented PDF ingestion & vector-search pipeline (Pipeline Builder, TS functions) that matches uploads against an 800k-company master list and enriches with REST-API-fetched news, reducing manual underwriting **research time by 40%**.
- Developed a **comprehensive admin panel** (Foundry Code Repository, React/TS) for prompt configuration, dashboard statistics, LLM evaluation controls (accuracy, latency, feedback loops), and one-click submit orchestration of the RAG pipeline.

Loss Ratio Hotspots

Swiss Re, 2023-24

- Performed a comprehensive ML-driven key-driver analysis on US agents & lawyers portfolio using **ML and SHAP**, achieving a **5%** signal uplift over the base model.
- Identified the **top loss-ratio drivers** (e.g. claim frequency, policy tenure, regional risk factors) that empowered the business to target portfolio optimizations.
- Delivered data-driven recommendations to stakeholders that mitigated risk, **optimized loss ratios by 10%**, and accelerated decision-making.

EDUCATION

Hindu College, University of Delhi <i>Master of Operational Research; GPA: 8.2/10</i>	Delhi, India <i>Aug 2020 – May 2022</i>
Bhavans College, Osmania University <i>B.Sc.(General-Math/Statistics/CS); GPA: 8.9/10</i>	Hyderabad, India <i>May 2017 – May 2020</i>

CERTIFICATES

Stanford xCS224N – Natural Language Processing with Deep Learning	<i>Apr 2024</i> (verify)
Palantir Foundry – Data Engineering Professional	<i>Apr 2025</i> (verify)

AWARDS & ACHIEVEMENTS

- Top Performance:** Received **top 5% performance rating** at Swiss Re for two consecutive years (2023, 2024).
- Deliver-at-Speed Award:** Recognized for consistently **exceeding project delivery timelines by 25%**.
- Foundry AIP Training:** Upskilled **60+ colleagues** through 3+ trainings on Foundry’s Artifical Intelligence Platform.
- Placement Leadership:** Led and coordinated **campus placements for 125+ students** as Placement Coordinator.