

# DEVESH SINGH

AI Engineer

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## PROFESSIONAL SUMMARY

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AI Consultant and AI Engineer with **7+ years of experience** designing, deploying, and governing **production-grade AI systems** across CPG, FMCG, Life Sciences, and Finance domains. Proven expertise in **GCP-native AI architecture**, **marketing data ecosystems**, and **end-to-end ML orchestration** spanning data ingestion, feature engineering, model pipelines, deployment, monitoring, and activation. Strong client-facing consultant with a track record of translating business requirements into scalable AI solutions, reviewing and optimising Python codebases, and influencing stakeholders across data science, engineering, marketing, and operations.

## TECHNICAL SKILLS

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**Programming Languages:** Python, SQL

**Frameworks:** MLflow, Kubeflow, Seldon

**Cloud Deployment:** GCP, AWS, Vertex AI, Databricks, Dataiku, Cloud Run, Cloud Functions, Docker, Kubernetes, GitHub, GitHub Actions, **Others:** CI/CD

**Consulting and Leadership:** Client Requirement Analysis & Feasibility Studies, Solution Architecture & Technical Pre-Sales

## PROFESSIONAL EXPERIENCE (7+ YEARS)

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**AI Engineer** | *Apr 2024 - Present*

**Fractal Analytics** | *Gurugram*

- Defined and implemented end-to-end AI/ML pipelines on GCP Vertex AI, supporting marketing and revenue growth analytics use cases.
- Orchestrated CI/CD-driven ML deployments, ensuring controlled promotion from QA to production across multi-country environments.
- Integrated data science models into scalable, governed MLOps frameworks, enabling reliable campaign and forecasting outputs.
- Led model monitoring and monthly performance evaluation, ensuring data quality, stability, and business reliability.
- Designed cross-market pipeline execution logic for the eRGM program, supporting region-specific campaign requirements.
- Implemented event-driven alerting and messaging using Pub/Sub and SendGrid for pipeline success/failure notifications.
- Acted as a code reviewer and optimizer, improving Python code quality, performance, and maintainability for production systems.

**Technologies Used:** Python, GCP, Vertex AI, GitHub Actions, CI/CD, SendGrid, Pub/Sub, Feature Store

**Consultant** | *Mar 2021 - Apr 2024*

**Deloitte USI** | *Gurugram*

- Designed and delivered production ML solutions for healthcare and FMCG clients, enhancing predictive accuracy and decision support.
- Built end-to-end AI pipelines covering data ingestion, transformation, model training, deployment, and monitoring.
- Led MLOps governance for multiple client engagements, ensuring reproducibility, auditability, and operational efficiency.
- Acted as a client-facing AI consultant, translating business objectives into deployable AI architectures.
- Collaborated with cross-functional teams (marketing, analytics, engineering) to operationalise model outputs.
- Mentored junior data scientists and engineers on ML pipeline design, testing, and deployment best practices.

- Led development and enhancement of brand-specific analytical models aligned to commercial outcomes.

Technologies Used: Python, SQL, CI/CD, Databricks, MLflow, Feature Store

**Analyst** | *Jul 2018 - Jan 2021*

**GlobalLogic** | *Gurugram*

- Developed and managed ML pipelines on the Dataiku platform, supporting financial and insurance analytics.
- Deployed and optimized machine learning models, improving model robustness and production performance.
- Designed A/B testing frameworks to evaluate and validate model quality.
- Applied statistical analysis to large-scale claims and insurance datasets to generate actionable insights.
- Supported production MLOps operations, ensuring system stability and SLA adherence.
- Engaged directly with stakeholders, improving communication, alignment, and delivery timelines.

Technologies Used: Dataiku, Python, SQL, GitHub, CI/CD

## EDUCATION

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**Post Graduate Program (PGP) in Data Science and Machine Learning** | *Oct 2020*

JIGSAW AND UNIVERSITY OF CHICAGO | *New Delhi*

**Bachelor of Technology (B.Tech) in Computer Science Engineering** | *Jun 2018*

INVERTIS UNIVERSITY BAREILLY | *Bareilly, UP*

## CERTIFICATIONS

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- Machine Learning Pipelines in Production by Coursera
- MLOPs Associate Fractal Certification

## ACHIEVEMENTS

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- Fractal Analytics: Electric Striker (2024)
- Deloitte USI: Outstanding Award (2023)
- Deloitte USI: Applause Award (2022)
- Deloitte USI: Spot Award (2021)