MAN PATEL

Data & AI Engineer

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SUMMARY

Data and AI engineer (M.Eng. 2026) who takes models from research to production. First-author research accepted at WISE 2026, a second paper under review at IEEE Big Data 2026, and two public systems: a live experimentation analyser on GCP Cloud Run and a RAG pipeline over a document corpus. Three years across research, consulting and industry in Paris, available immediately.

SKILLS

Machine learning: Recommendation systems, forecasting, XGBoost, LightGBM, random forests, feature engineering, cross-validation, A/B testing and hypothesis testing

GenAI and NLP: RAG pipelines (embeddings, vector search, retrieval, generation), ChromaDB, sentence-transformers, HuggingFace transformers, OpenAI and Anthropic APIs

MLOps and cloud: Docker, CI/CD (GitHub Actions), GCP (Cloud Run, BigQuery), MLflow, drift detection (KS, PSI), Databricks, ETL pipelines, production monitoring

Programming and certifications: Python (Pandas, NumPy, Scikit-learn, PyTorch), SQL, Git, REST APIs, Power BI; IBM watsonx.data, IBM Generative AI; English C1 (IELTS), French B1, Hindi native

EXPERIENCE

De Vinci Research Center Research Intern, Paris **Feb 2026 – Aug 2026**

- Built a recommendation system generating optimised NoSQL data models from measured query patterns, trading off query latency, cloud cost and carbon footprint.
- Designed benchmarking pipelines to measure system behaviour at scale and flag obsolete data models.

Wavestone Student Consultant, Paris **Oct 2025 – Jan 2026**

- Quantified the energy, water and carbon footprint of enterprise GenAI platforms to shape Cloud FinOps strategy.

Stellantis AI Governance Intern, Paris **Apr 2025 – Sep 2025**

- Audited models for bias, fairness and reliability under the EU AI Act; automated AI lifecycle dashboards.

GIFEC Lead Data Scientist, Paris **Sep 2024 – Apr 2025**

- Built a predictive model suite (KNN, Random Forest) reaching 70% accuracy under 5-fold cross-validation, and presented the results to over 200 business leaders.

Wordex Infotech Data Analyst, Surat, India **Dec 2022 – Apr 2024**

- Engineered production SQL ETL workflows raising data accuracy by 20%, plus daily-use Power BI dashboards.

PROJECTS

A/B Test Analyser ab-test.projects.manpatel.me live on GCP Cloud Run, statistics from scratch

- Frequentist and Bayesian experiment read-out, plus a simulation of how peeking inflates false positives.

FinAI, Financial Intelligence Platform GitHub Python, ChromaDB, MLflow, HuggingFace

- RAG assistant over a document corpus: sentence-transformer embeddings, ChromaDB vector search, source-cited generation; FinBERT, XGBoost and LightGBM tracked in MLflow with drift detection (KS, PSI).

ACHIEVEMENTS

- Demo paper **accepted at WISE 2026**; long paper **under review at IEEE Big Data 2026**, Phoenix.
- **Top 8 finalist** at a hackathon by ESILV, Capgemini, Renault Group and Dassault Systèmes; pitched to executives.

EDUCATION

ESILV M.Eng., Data and Artificial Intelligence, Paris **2024 – 2026**

RK University Bachelor of Computer Applications, Rajkot, India **2019 – 2022**