

# RAKSHIT JAIN



DATA ENGINEER • ANALYTICS & BI • WEB DEVELOPMENT

DELHI NCR, IN

OPEN TO DATA ROLES

FREELANCE WEB DEV

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( 01 ) EXPERIENCE

FEB 2026 – PRESENT

PROMOTED IN 4 MONTHS

BUILT A TOOL

## QA ENGINEER — TEST AUTOMATION & DATA VALIDATION

CAREERS360

- Author SQL (joins, CTEs, window functions) to reconcile source-to-target ETL flows, validating row counts, referential integrity and transformation logic before every release.
- Automate data-integrity and regression checks in CI/CD (GitHub Actions, Jenkins) with Allure reporting on every commit — regression cycles collapsed from hours to minutes.
- Build Playwright UI automation across key regression flows; lead root-cause analysis in JIRA, tracing failures to database-level inconsistencies with 90%+ high-priority fixes within SLA.
- Built QA Data Desk — an open-source database investigation tool (Python, Streamlit, MySQL, 384 tests) — replacing day-to-day exploratory SQL.

AUG 2025 – OCT 2025

## ENGINEERING INTERN

ONGC VIDESH

- Automated recurring data workflows with Python (Pandas, openpyxl) and Advanced Excel, eliminating 10+ hours of manual data handling per week.
- Enhanced an intranet portal serving 500+ users, streamlining internal communication and document access.

OCT 2024 – MAR 2025

## DATA ENGINEERING INTERN

HCLTECH

- Built ETL pipelines in Python and SQL to ingest, transform and load multi-million-row datasets, feeding automated Power BI dashboards.
- Optimised warehouse query performance via indexing and partitioning — large-dataset reports dropped to single-digit seconds.

## ( 02 ) SELECTED PROJECTS

### QA DATA DESK FLAGSHIP · OPEN SOURCE

A database investigation platform for QA engineers — search an ID, follow the data, prove the bug. 23 pages, 384 passing tests, zero write queries allowed. Python, Streamlit, MySQL, Gemini API, Docker.

### OPTI-RECOURSE ML · PUBLISHED IN IJSREM

Credit-risk model (XGBoost + SHAP + LIME) that explains what would have to change for a rejected applicant to be approved.

### FREELANCE BUILDS 6+ SITES SHIPPED

Websites, landing pages and dashboards for clients — Aurora Café, Lumen Studio, FitTrack, Kirana Kart. React, TypeScript, Tailwind, Framer Motion.

## ( 03 ) TOOLKIT

**LANGUAGES** Python · SQL (CTEs, window functions) · JavaScript · C++

**DATABASES** MySQL · PostgreSQL · query optimisation · indexing & partitioning

**DATA ENG** ETL pipelines · data validation & quality · cleaning & wrangling

**ANALYSIS & BI** Pandas · NumPy · EDA · Power BI · Advanced Excel · Streamlit

**ML** Scikit-learn · XGBoost · explainable AI (SHAP, LIME) · Optuna

**QA & TOOLING** Playwright · PyTest · Postman · CI/CD (Jenkins, GitHub Actions) · Docker · Git · JIRA

**AI TOOLING** Gemini API · NLSQL · AI-assisted development

## ( 04 ) EDUCATION

2023 – 2026

### **B.TECH, COMPUTER SCIENCE & ENGINEERING (DATA SCIENCE)**

KCC Institute of Technology and Management, Greater Noida

2020 – 2023

### **DIPLOMA, COMPUTER SCIENCE**

Government Polytechnic Rajpur

PEER-REVIEWED PUBLICATION

### **OPTI-RECOURSE — CREDIT RISK PREDICTION & EXPLAINABILITY**

**International Journal of Scientific Research in Engineering and Management (IJSREM)**

Methodology for pairing gradient-boosted credit-risk models with SHAP and LIME to generate actionable recourse for rejected applicants.

## ( 05 ) HOW I WORK

**01 VALIDATE BEFORE YOU VISUALISE.**

**02 IF IT RUNS TWICE, AUTOMATE IT.**

**03 A MODEL THAT CAN'T EXPLAIN ITSELF ISN'T FINISHED.**