

# LAKSHYA MALIK

Data Analyst · SQL, Power BI, Python & Excel

Irvine, CA · (949) 795-1358 · lakshyam@uci.edu

linkedin.com/in/lakshya-malik · github.com/LakshyaMalik18

## Education

University of California, Irvine - B.S. Computer Science (AI Specialization)

Expected Dec 2026

GPA: 3.79 | Dean's Honor List

## Technical Skills

**Languages:** Python, SQL, Java, C++

**Analytics & BI:** Power BI (DAX), Tableau, Excel, Pandas, NumPy, SQL/ETL, DuckDB, MySQL, scikit-learn, statistical analysis, feature engineering

**ML:** Logistic regression, classification, model evaluation (ROC-AUC, recall, lift), experimentation

**AI & Automation:** NL-to-SQL, LLM prompting, Claude, Claude Code, ChatGPT, Streamlit, FastAPI, React

**Tools:** Git/GitHub, VS Code, Linux/Bash, Vercel, Render

**Exposure:** Snowflake, Databricks, AWS, Azure, GCP, Google Analytics, BigQuery

## Projects

**Hospital 30-Day Readmission Risk Analytics** | Python, SQL, DuckDB, scikit-learn, Power BI

GitHub · 2026

- Built an ETL pipeline over 99,340 patient encounters and turned it into a decision for leadership: DuckDB SQL identified the 70-80 age group as the driver of 27% of readmissions, the first segment to target against Medicare penalties of up to 3%.
- Trained a class-balanced, leakage-controlled logistic-regression model (scikit-learn, 0.64 ROC-AUC) whose top-20% risk tier captured 34.6% of readmissions, a 1.73x lift over random targeting.
- Designed a 5-visual Power BI dashboard with custom DAX measures (readmission rate, contribution %, risk tiers) to focus budget on the 3,974 highest-risk patients.

**Javaab: The analyst in your pocket** | Python, FastAPI, DuckDB, React, LLM

GitHub · 2026

Founder & Builder

- Built and shipped a privacy-first analytics product letting non-technical users upload multiple CSV/Excel files and ask plain-English questions, including cross-file JOINS matched by value, not column name (a gap in most "chat-with-your-data" tools).
- Eliminated the silent-wrong-answer failure mode: in a 10-question benchmark the tool answered 8 correctly (hand-verified) and safely declined the other 2 (clarified or refused) for zero confidently-wrong results, because the model writes validated SQL that DuckDB executes instead of generating numbers.
- Automated the manual analyst task of joining files: value-based key discovery joined cross-file questions on a coded key with zero manual mapping; shipped with a confidence badge, a "why this answer" panel, a reversible change ledger, and Plotly charts. Deployed on Vercel + Render.

**Meridian: Agentic Financial Intelligence Tool** | Python, DuckDB, SQL, LLM

2026

- Built an agentic tool that ingests raw SEC EDGAR XBRL filings for 100 companies into a DuckDB schema modeled from messy real financial data, turning hours of manual 10-K digging into instant plain-English answers backed by validated SQL.
- Analyzed fundamentals across 100 companies, computing valuation and leverage ratios (FCF, Debt/EBITDA, FCF Yield), benchmarking each against its sector, and flagging anomalies, surfacing the kind of insight an analyst would otherwise pull from filings by hand.

## Experience

University of California, Irvine - Undergraduate Researcher

Jan 2026 - Mar 2026

*RAiDAR: Camera-Radar Fusion (UROP)*

- Trained PointNet and PointPillars 3D-detection encoders (PyTorch, 100 epochs) on radar point clouds from the V2X-Radar-I and RadarScenes datasets (7,577 train / 1,895 test, 5 classes), reaching 88.50% test-instance accuracy and producing a written architecture-comparison report.
- Built end-to-end pipelines converting raw radar point clouds into preprocessed tensors with radar-specific features (RCS, Doppler velocity), and surveyed 4-5 encoder architectures (RCBEVDET, PointPillars, Camera-LiDAR fusion) to design a novel radar encoder for a gated camera-radar fusion module.

Nidhivan Builders Pvt. Ltd. - Data & Operations Analyst Intern

Aug 2022 - Mar 2023

*Process Digitization & Analysis*

- Built an ETL pipeline that replaced a manual paper process, digitizing 3,000+ handwritten operational and customer records into the company's first standardized, queryable dataset.
- Analyzed the digitized data to surface sales and demand trends, delivering reports that informed CRM and business-development decisions.
- Coordinated the project across teams, tracking milestones, action items, and timelines, and flagging delivery risks.

## Certifications

Anthropic AI Fluency & Claude 101 · Power BI (Analyst Builder) · EA PM Simulation (Forage), 2026