

# JALPAN PANSURIYA

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## SUMMARY

Detail-oriented Data Engineer / Analyst with hands-on experience in SQL, Python (pandas, NumPy), and dashboard automation using Power BI and Streamlit. Skilled in building ETL pipelines, optimizing data workflows, and delivering actionable insights through analytics and visualization. Actively seeking Data Analyst, BI Engineer, or Data Engineering roles that leverage data for smarter business decisions.

## EDUCATION

**Bachelor of Science in Computer Science**, Summa Cum Laude

Arizona State University, Tempe, AZ

**May 2025**

**GPA: 4.0/4.0**

**Relevant Coursework:** Database Management, Machine Learning, Distributed Systems, Data Structures & Algorithms, Software QA & Testing, Distributed Systems.

## SKILLS

**Languages:** Python (pandas, NumPy), SQL, JavaScript, C++

**Data Tools:** Power BI, Tableau, Streamlit, Excel, yfinance

**Databases:** MySQL, PostgreSQL, Snowflake

**ETL & Automation:** Python scripts, REST APIs, data pipelines, cron jobs

**Cloud:** Supabase, GoDaddy/Cloudflare

## PROFESSIONAL EXPERIENCE

**Software Developer Intern (Data Analytics Focus)**

**July 2025 – Present**

Next Play Games

**Remote**

- Implemented Mixpanel analytics with 20+ core event trackers across 8 screens, capturing retention, adoption, and engagement metrics for 10k+ sessions to guide product decisions.
- Designed data-export pipelines in Python to transform Mixpanel event logs into weekly growth and retention reports, automating recurring analysis for the product team.
- Built internal automation tools for analytics tracking and reporting, reducing manual review cycles and accelerating data-driven iteration speed.

**Data Analyst**

**Aug 2023 – May 2025**

Sandra Day O'Connor College of Law, ASU

**Phoenix, AZ**

- Automated complex reporting workflows using SQL and Python scripts, cutting manual processes and reducing turnaround time by over 3x, improving team efficiency across departments.
- Designed and implemented data cleaning and storage pipelines to consolidate budgeting and reimbursement records, improving data accuracy and integrity for long-term tracking.
- Developed and maintained Power BI dashboards visualizing spending trends and fund allocations, enabling leadership to make real-time, data-driven operational decisions.

## PROJECTS

**Portfolio Analytics Dashboard** — Streamlit, Python, MySQL

**May 2025 - July 2025**

- Developed a Streamlit-based portfolio analytics dashboard integrating live market data (Yahoo Finance API) for real-time tracking, profit/loss computation, and sector allocation visualization.
- Engineered an advanced backtesting engine with Sharpe, Sortino, and Calmar ratios, drawdown analysis, and Monte Carlo simulations to forecast performance and evaluate risk-return trade-offs.
- Automated portfolio data ingestion and cleaning from Robinhood exports using Pandas/Numpy pipelines, enabling interactive benchmarking against S&P 500 and Nasdaq indices.
- Designed an interactive Streamlit interface with dynamic charts and benchmark comparisons, creating a professional-grade personal finance tool; dashboard live at <https://portfolio-dashboard-jpansuriya.streamlit.app/>.

**Capstone Project: SCIA Platform** — Next.js, Node.js, MySQL, Python

**Aug 2024 - May 2025**

- Built and deployed automation scripts + REST APIs that processed 300+ course-section datasets across 10+ departments, replacing fragmented spreadsheets with a unified data workflow.
- Migrated MongoDB to MySQL with zero loss, standardizing schema design for long-term maintainability and enabling faster queries for admin reports.
- Designed internal data dashboards to summarize team assignments and project distributions, providing stakeholders clear visibility into workload and progress.