

# Ayush Kaurav

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## WORK EXPERIENCE

### R.C.N Capital

*Data Analyst/Implementation Intern*

05/2025 – 08/2025

Charlotte, NC

- Collaborated cross-functionally with Treasury and Capital Markets to develop and validate a DSCR loan pricing model integrating market data, risk spreads, and cash flow assumptions; enhanced pricing accuracy by 8% and supported \$1M+ in securitized loans, strengthening investor confidence and compliance.
- Built Python and SQL-based ETL pipeline to consolidate data from loan systems, investor reports and servicing files into a central repository, ensuring consistent and data for quality tracking and exception monitoring boosting report efficiency by 30%.
- Designed and Automated EPD, Investor Exception analysis by linking the ETL pipeline to PowerBI dashboards, enabling real-time grading and detection; improved Underwriting accuracy to 95%, cut review time by 40%, reduced exceptions by 18%.

### W.P. Carey Career Services

11/2024 – Present

*Data Analyst*

Tempe, AZ

- Spearheaded cross-functional data initiatives to conduct financial and workforce analyses using Python and Power BI; optimized program costs by 30% and uncovered key demographic trends to improve student outreach and engagement.
- Designed and presented dynamic dashboards in Power BI and Tableau to visualize performance and trend data with 95% accuracy, enhancing data-driven decisions and improving strategic planning efficiency by 25%.
- Collaborated and communicated insights to executive leadership and diverse stakeholders, translating complex analytics into actionable recommendations that guided strategic initiatives and strengthened organizational impact.

### Infosys Pvt. Ltd.

08/2022 – 08/2024

*System's Engineer - Business Quality Analyst*

India

- Developed data-driven taxation solutions for the Government of India using Agile methodologies, improving the tax filing success rate from 92.3% to 94.1% and enhancing compliance efficiency.
- Engineered and automated robust testing frameworks with Java, Selenium, SQL, and Postman APIs, expanding test coverage across multiple modules to ensure data accuracy, regulatory compliance, and seamless API integrations.
- Implemented CI/CD pipelines with Jenkins to streamline build validation, deployment, and automated reporting; this reduced manual workload by 87.5%, boosted system efficiency by 15%, and improved delivery reliability across releases.
- Collaborated with cross-functional stakeholders including policy, development, and QA teams and used JIRA for Agile sprint tracking, ensuring clear communication, faster iteration cycles, and 15% quicker project turnaround for new taxation policies.

## PROJECTS

### Customer Behavior Analytics Database

[[demo](#)] [[code](#)]

01/2025

- Developed cost analysis tools in a BCNF-structured retail database and optimized SQL queries and indexing, boosting data retrieval speed by 30% and improving cost efficiency by 20%.
- Delivered data-driven insights on customer behavior and sales trends through advanced analysis and visualization, guiding strategic pricing and inventory decisions to enhance profitability.

### Assessing ARPA Fund Allocation and Spending Efficiency

[[demo](#)] [[code](#)]

09/2024

- Analyzed \$396M in ARPA funds across 50 programs using efficiency ratio analysis and AI-powered forecasting to uncover cost variances and utilization gaps, ensuring accurate and transparent fund allocation.
- Identified \$122.6M (3%) in unspent funds and revealed that only 20% of programs fully utilized budgets, providing actionable insights that prevented future misallocation and improved fiscal accountability.

## EDUCATION

### Arizona State University, Tempe

08/2024 – 12/2025

*Master of Science in Business Analytics, Fin-tech | GPA 3.79*

Tempe, AZ

**Coursework** Quantitative Risk Management, Managerial Finance, Investment Strategies, Fintech/Blockchain, Options & Derivatives

### Madhav Institute Of Technology and Science, India

08/2018 – 07/2022

*Bachelor Of Technology Electrical Engineering | GPA 3.5*

Gwalior, India

## SKILLS

**Programming Languages :** Python, SQL, HTML, CSS, Java, XML, JSON

**Data Analytics and Visualization:** PowerBi, Looker, Tableau, Power Automate, SharePoint, Excel(Pivot Tables, VLOOKUP)

**Data Processing and Automation:** ETL, Data Cleansing, Data Warehousing, Process Optimization, Automation, Statistics, SAP

**Machine Learning:** Regression, Classification, Clustering, Time series analysis, LLMs (GPT, BERT), Explainable AI, AI Governance

**Databases and Cloud:** Google BigQuery, AWS, Azure