

# Tarang (TJ) Jammalamadaka

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## TECHNICAL SKILLS

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- **Languages & Querying:** SQL, Python, JavaScript, R
- **BI & Visualization:** Tableau, Power BI, Excel
- **Methodologies:** Agile/Scrum, Requirements Gathering, Gap Analysis, Process Mapping, Root Cause Analysis
- **Tools:** Jira, Microsoft 365, Google Suite
- **Certifications:** Microsoft Power BI Data Analyst Professional Certificate, Operations Management Foundations

## WORK EXPERIENCE

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### Quadcore Innovations

#### Operations Improvement Analyst

Santa Clara, CA · Oct 2025 - Present

- Mapped end-to-end workflows on the Nuff Cash platform and performed root cause analysis to isolate three operational bottlenecks, resulting in a 25% reduction in process completion time.
- Designed Tableau dashboards that track transaction volume, issue resolution rates, and system uptime, converting raw operational data into executive-ready reports used in weekly leadership reviews
- Collaborated with product and finance teams to automate recurring reporting tasks using SQL and Power BI, eliminating manual data entry and reducing reporting cycle time by 40%.

### University of Washington

#### Events & Resources Coordinator

Bothell, WA · Aug 2025 - Present

- Developed standardized data-driven evaluation criteria for funding requests by analyzing two years of historical allocation patterns, reducing approval time by 40% and improving distribution equity across 95+ student organizations.

### JMT Worldwide LLC

#### Product Analyst

San Jose, CA · Sep 2022 - Sep 2024

- Wrote SQL queries against a 50K+ MAU database to perform behavioral cohort analysis, identifying engagement drop-off points that directly informed product roadmap changes and drove a 7% improvement in a core retention metric.
- Built 12 Tableau dashboards consolidating data from multiple sources into a single executive view, cutting weekly reporting time by 60% and enabling same-day decision-making for C-suite stakeholders.
- Synthesized 500+ user feedback responses into a prioritized insight framework, translating qualitative signals into actionable roadmap decisions that contributed to a 10% lift in feature adoption.

#### IT Business Analyst

San Jose, CA · Aug 2021 - Jun 2022

- Collaborated with business stakeholders to gather, document, and validate requirements, translating operational needs into structured technical specifications that bridged business and engineering teams.
- Conducted gap analyses on existing systems and recommended targeted enhancements, producing detailed process workflows and visualizations that reduced operational inefficiencies by 15%.
- Managed Agile project backlogs in Jira, participated in sprint planning, and tracked deliverables, contributing to on-time completion of 90% of project milestones across multiple workstreams.

## PROJECTS

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### Washington Homelessness & Housing Affordability Analysis

Mar 2026

- Sourced and cleaned 9 years (2015–2024) of Zillow Rental Index data alongside income, vacancy, and homelessness metrics for Washington State, structuring a multi-variable dataset for longitudinal analysis.
- Used R to perform trend analysis across rental cost growth, median income, and homelessness rates, quantifying the affordability gap widening over time and identifying the inflection points where rent outpaced income growth.
- Built an interactive Tableau dashboard and accompanying written report visualizing regional disparities across Washington counties, translating data findings into a clear policy-oriented narrative for a non-technical audience.

### Operations & Forecasting Model

May 2025

- Built a multivariate regression model in Excel on 18 months of historical sales data to forecast demand; validated against holdout data, achieving 94% prediction accuracy and enabling proactive inventory positioning.
- Designed an interactive Excel dashboard tracking 15+ KPIs including machine utilization, inventory turnover, and order fill rates and driving a simulated 35% reduction in carrying costs and 28% improvement in delivery performance.

### CED Financial Case Competition

Apr 2025

- Modeled a multi-channel growth strategy (new PNW warehouse, solar market entry, direct sales expansion) using bottom-up financial modeling, projecting \$15.3M in revenue and an 81.5% improvement in operating income.
- Analyzed 25+ expense categories to identify cost reduction levers, projecting a 10–16% cost decrease while maintaining margin integrity across all modeled scenarios.

## EDUCATION

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### University of Washington, Bothell

Jun 2027

BA, Business - Management Information Systems

Bothell

- **GPA:** 3.7
- **Achievements:** Dean's List (2024, 2025)