Vasu Khanna

vkhann13@asu.edu

+1 (480) 796-9732

www.linkedin.com/in/vasu-khanna10

EDUCATION

W. P. Carey School of Business, Arizona State University Aug 2024 – Dec 2025
Master of Science, Business Analytics Tempe, AZ
GPA: 4.00/4.00

University of Delhi, Shri Ram College of Commerce Jul 2018 – Jun 2021
Bachelor of Commerce New Delhi, IN

PROFESSIONAL EXPERIENCE

Operations & Business Analyst Intern May 2025 – Aug 2025
BANGERS SNACK INC. San Francisco, CA

- Automated a BI dashboard (**SQL + Apps Script + Looker Studio**) integrating SKU-expiry-pallet data across 6+ product lines, reduced **manual errors by 90%** and improved **refresh speed by 96%**.
- **Implemented** FEFO/FIFO logic with expiry-at-risk alerts, improved **SKU traceability** and reduced **product waste by 12%**, extending shelf-life.
- Developed SAP-integrated campaign trackers for launch readiness, enabled **50% store readiness** across 300+ Extra Mile outlets and accelerated promo availability planning.
- **Automated** pallet-ID generation & reconciliation, structured lightweight **ETL** aligned to **SAP/NetSuite**, eliminating **duplicate pallet records** and enabling real-time SKU-level audits.
- **Created** a supplier data mart (**HubSpot + trend data**) and applied **DoE** for sample evaluations, informed sourcing decisions that delivered **8% cost savings**.
- Orchestrated the launch of a D2C ecommerce channel by leading website deployment, Amazon FBA integration, and velocity-based inventory planning, **generated $3.1K+ revenue through 71** orders with 5.7K+ sessions during May–July 2025.

Marketing & Brand Analyst Intern May 2023 –Jun 2023
DG BREW TECHNOLOGIES New Delhi, IN

- Redesigned digital marketing strategy through **industry trend analysis** and **SEO/SEM** optimization, **lifted online visibility by 25%** and strengthened brand positioning.
- Developed GA4 + SEO dashboards in **Looker Studio**, monitored **organic traffic, bounce, conversion,** and **keyword rankings**, produced a **15% rise in engagement**.

Data Analyst Intern Oct 2022 – Apr 2023
ESC INDIA New Delhi, IN

- **Analyzed** two years of export performance data using Python with cross-functional teams and **formulated six KPIs** (e.g., market share, export frequency, product performance index), which **contributed to a 15% lift in promotion effectiveness.**
- Designed, implemented, and maintained automated BI reporting systems by **building SQL-based ETL processes for 200K+ sales records**, integrating stored procedures and CTEs to streamline monthly reporting and reduce manual intervention.
- Refactored 20+ complex SQL queries per week using **window functions, CTEs, and indexing** to improve latency by 35% and **reduce redundancy by 26%**.

RESEARCH EXPERIENCE

Research Assistant Jan 2025 – Present
INFORMATION SYSTEMS LAB – Arizona State University Tempe, AZ

- **Improved** Alzheimer's detection model transparency by annotating medical images and restructuring 5 subclasses, **enhanced explainability**, **supported training of state-of-the-art computer vision models**, and **achieved 95% accuracy**, strengthening data-driven healthcare decisions.
- Partnered with technical and UI/UX teams to evaluate drone detection system performance using mAP50 and F1-score, crafted visual reports that highlighted a **30% improvement over baseline**, bolstering department's case for defense funding.
- Executed multichannel performance marketing analysis by designing **A/B tests**, querying data in SQL, and **visualizing behavioral trends via Power BI and GA4**, uncovered insights that drove a **27.2% increase in LinkedIn visibility** and enhanced content strategy alignment.

PROJECT EXPERIENCE

Arizona State University

- **Grocery Store Review Analysis:** Built an **NLP pipeline to analyze 8,000+ Yelp reviews** from Arizona grocery stores using **regression and classification techniques**, which achieved **98.4% sentiment accuracy.** Identified key satisfaction drivers like stockouts and service delays, delivering insights that guided pricing and inventory strategies.
- **Road Crack Detection & Repair Prioritization:** Trained a **deep learning segmentation model** to detect cracks in bike lane images, **achieved 91% accuracy and a Dice score of 0.81.** Developed a severity-based prioritization framework with dashboards to help city planners allocate repair resources based on safety impact.

SKILLS & ACTIVITIES

- **Programming:** Python (NumPy, Pandas, Keras, Matplotlib, Seaborn, Scikit-learn), R, SQL
- **Data Analysis & Modeling:** Predictive Modeling, Regression, A/B & Multivariate Testing, NLP, Statistical Analysis, Sentiment Analysis, Machine Learning, Cohort & Funnel Analysis, Experiment Design
- **Data Management & Engineering:** ETL Automation (CTEs, Stored Procedure, Google Apps Script), Semantic Layer/Metric Definitions, Data Modeling & Warehousing (Star/Snowflake), SSIS, Data Quality & Lineage
- **Platforms & Tools:** Power BI (DAX), Looker Studio, Tableau, Excel (Advanced automation & VBA-equivalent scripting), GA4, HubSpot, GTM, BigQuery, MS SQL Server, Azure Data Studio, SPSS, Minitab, SAP (Inventory modules – exposure), EC2, AWS SageMaker