

Surosh Nathaniel Kumar

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Education

Arizona State University

Tempe, AZ

May 2025

Master of Science, Artificial Intelligence and Business (Distinction)

Thesis: *Plutus AI - Generative Price Intelligence for Collectibles*

Relevant Coursework: Generative AI Strategy, Machine Learning in Business, AI Governance

Arizona State University

Tempe, AZ

Dec 2022

Bachelor of Science, Economics (Cum Laude)

Relevant Coursework: Econometrics, Industrial Organization, Monetary Economics

Volunteered 10 hours biweekly to mentor and tutor undergraduate economics students (Econometrics)

Technical Skills & Projects

Programming: Python, R, SQL, TensorFlow, scikit-learn, Supabase, AWS, Tableau, Power BI

Design & Tools: Figma, GitHub, Adobe Suite

Plutus AI – Generative Price Intelligence for Collectibles (ASU)

Jan. 2025 – May 2025

Developed YOLOv12 + Gemini LLM pipeline to identify collectibles and generate real-time price estimates for small antique dealers. Reduced model hallucinations by 30 percent through iterative prompt optimization and retrieval-augmented generation (RAG) techniques.

Foot-Traffic Intelligence Dashboard (ASU)

Aug. 2024 – Dec 2025

Processed 80,000+ CCTV frames using YOLOv12 to produce heatmaps and dwell-time analytics informing campus vendor policies. Authored model-card documentation covering data ethics and deployment considerations.

Customer-Segmentation CRM Prototype (ASU)

Jan. 2025 – May 2025

Applied K-means and hierarchical clustering to 50,000 customer records to create data-driven personas and product bundles, projecting a 15% revenue increase.

Relevant Experience

Amazon, Area Manager, Fulfillment Operations (Goodyear, AZ)

Jul. 2023 – Jun. 2024

Directed 100 associates across three shifts, achieving 99.8% safety compliance and a 12% productivity lift through ML-driven workforce forecasting and Power BI dashboards.

Delivered executive readouts and SOPs for pilot analytics tools scaled across multiple facilities.

Rhino Productions, A/V Technician (Phoenix, AZ)

May 2022 – Jul. 2023

Supported 75+ live events, introducing root-cause analytics that reduced downtime by 35%.

Designed troubleshooting protocols and trained crews, improving client satisfaction by 15%.

Covenant College, Career and Calling Office Manager (Chattanooga, TN)

Aug. 2018 – Dec. 2019

Coordinated campus-wide career fairs connecting 1,000+ students with 60+ employers, improving student placement tracking by 35% through enhanced CRM analytics.

Streamlined event scheduling and employer outreach processes, reducing administrative turnaround time by 25%.

Leadership & Certifications

Co-Founder, Plutus AI - Led development of a generative-AI valuation platform for collectibles, integrating YOLOv12 and Gemini LLM to deliver real-time pricing insights for small businesses.

Economics Honors Society, Arizona State University - Peer mentoring and academic excellence initiatives.

Vice Captain, Ultimate Frisbee, Covenant College - Organized intercollegiate matches and fostered team leadership.

CareerEra certifications: Machine Learning | Data Visualization | AI Professional |