

Mary John

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EDUCATION

W. P. Carey School of Business at Arizona State University	Aug 2024 – Dec 2025
Master of Science, Business Analytics	GPA: 3.93/4
Descriptive & Predictive Analytics, Business Process Analytics, Analytical Decision Modelling, Quantitative Risk Management, Strategic Procurement, Machine Learning in Business, AI in Data Analytics Strategy, Operations and Supply Chain Management	
Christ University Student Council Member	Jun 2021 – May 2023
Master of Science, Statistics	GPA: 3.23/4
Sample Survey Designs, Multivariate Analysis, Time Series, Neural Network and Deep Learning, Bayesian Inference	
Christ University Core Leader of Association Christian Christities, Event Head for fests	Jun 2018 – May 2021
Bachelor of Science, Triple Major in Economics, Mathematics and Statistics	GPA: 3.69/4

SKILLS

Languages & Tools: R Programming, SQL, MS Excel, Python, PowerBI, Tableau, SAP, ArcGIS, SPSS, AWS, Lucidchart

Certifications: [SAP BTP](#), [SAP Analytics Cloud](#), [AWS](#), [Databases and SQL by IBM](#), [Data Analysis with Python](#)

PROJECT EXPERIENCE

Computer Vision to Improve ASU Graduation Ceremony OpenCV, dlib, HOG, Face Recognition	Mar 2025-May 2025
<ul style="list-style-type: none">Reviewed software requirements for facial recognition-based graduation logistics system. Designed business process workflows using Lucidchart to map student ID verification, photo display, and data sync steps.Collaborated with technical team to interpret system documentation and align database integration with ASU student records.Conducted multiple rounds of usability testing to ensure accurate student identification and system performance under various conditions, validated >97% accuracy under normal conditions with multi-angle jitter-based re-verification.	
Tucson Pizza Review Analyzer - Yelp Project Python, BERT, Claude, LoRA, EDA, NLP, ML	Jan 2025– Mar 2025
<ul style="list-style-type: none">Designed a full artificial intelligence pipeline using BERT for aspect-based sentiment modeling and statistical analysis; generated automated summaries with Claude (Amazon Bedrock), using AI and NLP to process the customer reviews.Built a keyword-driven restaurant recommender using a LoRA fine-tuned model through predictive analytics; performed in-depth EDA with WordClouds, and visualizations and used it to predict top 3 restaurants based on the customer keywords.	
Missing Data Imputation Techniques in Multilevel Designs Statistical Analysis, Research Paper	Nov 2021 – May 2023
<ul style="list-style-type: none">Analyzed the missing data techniques dealing with healthcare data of Beck Depression Inventory in a hierarchical structure, nesting teens with depression under classes and PU colleges. Used R Programming and SPSS for the statistical data analysis.	
Spatial Modelling of COVID–19 Outbreak in Bengaluru ISPS Conference	Mar 2023 – Apr 2023
<ul style="list-style-type: none">Conducted a spatial modeling study to analyze the correlation between air pollution and COVID-19 mortality through statistical tests utilizing ArcGIS, bivariate LISA to identify high-risk zones and inform mitigation strategies.	

PROFESSIONAL EXPERIENCE

Data Analyst Intern	May 2025 – Present
KATBOTZ LLC	New Jersey, USA
<ul style="list-style-type: none">Performed various visualizations on KPI's to help in creation of the product called CFO Dashboard using BI tool SAP BTP.Processed data and KPI filtration of various companies through Bloomberg and analyzed using SAP Analytics Cloud.	
Research Aide (Machine Learning and XAI)	Nov 2024 – Present
Arizona State University	Tempe, Arizona
<ul style="list-style-type: none">Engineered a robust Explainable AI framework for early-stage breast cancer detection, enabling transparent decision-making.Developed an Explainable AI framework with HonorHealth, integrating CVAT-based image annotation and YOLOv8 for high-accuracy of 96% classification of benign vs. malignant tissue, including mass formations and architectural distortions.Enhance model performance through continuous testing, refinement, and validation using annotated datasets through.	
Executive Trainee- (Actuarial Group Pricing)	Jun 2023 – Jul 2024
Digit Life Insurance	Bengaluru, India
<ul style="list-style-type: none">Validated & managed financial data for 1,000+ B2B companies in healthcare and life insurance by identifying, analyzing, and interpreting trends or patterns, ensuring data integrity in pricing & supplier analysis using Excel (Pivot Tables, Macros).Optimized supplier pricing strategies & risk assessments through market research, reducing discrepancies by 20% and enhancing premium rate accuracy using historical data analyzing the claims and rates from past.Streamlined premium collections, leveraging data-driven insights to optimize pricing models, achieving a ₹300 crore premium target with high quotation speed by identifying the market rates and trends.	