

# YASH DORSHETWAR

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## EDUCATION

### Master of Science in Robotics and Autonomous Systems (Artificial Intelligence)

August 2024 – May 2026

Arizona State University, Tempe, AZ | GPA: 3.67/4.0

*Relevant Coursework:* Artificial Intelligence, Machine Learning, Deep Learning, Data Visualization, Robotic Systems, Applied Linear Algebra, Data Processing at Scale, AI for Social Good

### Bachelor of Technology in Artificial Intelligence

August 2019 – June 2023

G.H. Raisoni Institute of Engineering and Technology | CGPA: 7.89/10.0

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL, C/C++, R, JavaScript

**Machine Learning & AI:** Scikit-learn, TensorFlow, PyTorch, Keras, XGBoost, Random Forest, CNN, RNN, LSTM, Transfer Learning

**Data Science & Analytics:** Pandas, NumPy, OpenCV, Data Wrangling, Feature Engineering, A/B Testing, Statistical Analysis, Hypothesis Testing

**Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn

**Big Data & Cloud:** Snowflake, AWS (EC2, S3), ETL Pipelines, Data Warehousing

**MLOps & Tools:** Docker, Git, Flask, Model Deployment, Salesforce, PeopleSoft, Stova

**Databases:** MySQL, PostgreSQL, Snowflake

## PROFESSIONAL EXPERIENCE

### Data Science Intern | Konverge.AI Pvt. Ltd.

August 2022 – July 2023

- Engineered end-to-end **customer analytics pipeline** analyzing **10,000+ consumer profiles**, achieving **22% improvement** in predictive model accuracy using ensemble methods (Random Forest, XGBoost) and statistical validation
- Implemented **K-means clustering** model to segment customers into **5 distinct groups**, enabling targeted marketing campaigns that increased conversion rates by **15%** and optimized **\$500K annual marketing spend**
- Built **automated ETL pipelines** processing **50K+ daily records**, reducing preprocessing time by **65%** and designed interactive **Tableau and Power BI dashboards** that identified **\$200K revenue optimization opportunities**

### Artificial Intelligence Intern | Technobase IT Solutions

August 2022 – November 2022

- Designed **NLP-powered chatbot** using intent classification, analyzing **200+ workflows** and achieving **88% accuracy**, reducing response times by **35%**
- Deployed production chatbot handling **500+ daily queries** with **92% autonomous resolution rate**, eliminating **15 manual hours weekly** and improving customer satisfaction by **28%**
- Optimized **12 decision-making algorithms** using rule-based systems and ML, processing **2,000+ monthly queries** and improving efficiency by **40%**

## PROJECTS

- Applied ML Research Project (Ongoing):** Building scalable ML system using **PyTorch** for temporal and behavioral data analysis to improve real-world predictions; implementing advanced neural network architectures and optimization techniques
- Customer Segmentation for Wine Industry:** Implemented clustering pipeline using **K-means and dimensionality reduction** across **10,000+ customer records**, identifying **5 market segments** and improving marketing ROI by **15%**; visualized insights using **Tableau and Power BI**
- AI-EDU – Intelligent Education Assistant:** Built AI-driven personalized learning platform using **NLP and recommendation systems** to generate adaptive study paths, serving **300+ students** with **85% engagement rate**
- Goods Connect – Smart B2B Platform (Winner, PI Academy Hackathon – ASU):** Architected supplier-matching & inventory optimization system using **machine learning algorithms and Flask API**; awarded **first place among 25+ teams**
- Mental Health Monitoring System:** Designed ML pipeline using **LSTM networks and sentiment analysis** to detect stress patterns from behavioral signals, achieving **89% F1-score** in multi-class classification
- Lesson Link – AI-powered Learning Platform:** Created interactive platform using **collaborative filtering and recommendation algorithms** with **200+ active users** to improve early-age learning personalization
- Ezee – Voice-based Automation Chatbot:** Engineered voice-enabled automation assistant using **speech recognition, NLP, and intent classification**, achieving **92% accuracy** while handling **500+ daily commands**

## OTHER EXPERIENCE

### Peer Admission Representative | Arizona State University, Tempe, AZ

April 2025 – Present

- Facilitated **50+ outreach sessions** for **1,000+ prospective students**, leveraging **Salesforce CRM** and **Stova** to execute targeted digital marketing campaigns
- Managed Fashion Club program with **200+ members**, boosting student engagement by **35%** through data-driven activity planning

## LEADERSHIP EXPERIENCE

**PR Director**, Coalition of International Students, ASU (2023-2024) – Orchestrated **8+ large-scale events** for **5,000+ students**, achieving **60% increase** in participation; led **15+ volunteers**, managed **\$50K+ budget**, and grew engagement by **45%**

**Invited Representative**, International Student Graduation Ceremony, ASU (May 2025) – Selected among 5,000+ students to share stage with Vice President Dr. Aska |

**Social Media Handler**, AI Club GHRIET (2021-2022) – Increased engagement by **80%**, growing community to **2,000+ members**