

# Vishal Bhashyaam

Tucson, AZ | [LinkedIn](#) | 520-543-9283 | [vishalbhashyaam@gmail.com](mailto:vishalbhashyaam@gmail.com) | [Portfolio](#)

## EDUCATION

### University of Arizona

MS Data Science (GPA: 3.5)

**Relevant Coursework:** Intro Machine learning, Intro to Deep Learning, Data Visualization and Analysis Data Mining and Discovery, Statistical Natural Language Processing, Internship.

### SRM Institute of Science and Technology

BTech Computer Science and Engineering (GPA: 3.78)

Tucson, AZ

Graduation Date: May 2025

Chennai, India

Graduation Date: May 2023

## WORK EXPERIENCE

### Pull Logic Inc

Data Science Intern

Atlanta, GA

Sep 2024 – Present

- Conduct and test advanced data analysis and develop machine learning models to achieve over 99% product availability, enhancing supply chain efficiency and customer satisfaction.
- Leverage Python, SQL, and data visualization to optimize inventory management, reducing unproductive inventory without compromising service levels.
- Collaborate with cross-functional teams to implement AI-driven solutions that align customer preferences with inventory, resulting in a 10-30% increase in revenue and profitability without increasing inventory levels.

### Vision Systems and Intelligence (VSI) Lab

Research Assistant

Tucson, AZ

May 2024 – Jun 2024

- Contributed to the Diabetic Foot Ulcer (DFU) challenge research team, applying computer vision techniques to medical image analysis.
- Developed 2+ CNNs and U-Net architectures gaining experience in healthcare-related image processing.
- Achieved a 15% increase in accuracy over Faster R-CNN baseline models using Hyperparameter Tunning.

### Techno Talent Inc

Software Developer

Chennai, India

Dec 2022 – Feb 2023

- Employed as a Software Developer Intern to develop and test AI-based features using AWS services, resulting in a 25% reduction in development time and improved product scalability.
- Conducted proof-of-concept analysis for the AI capabilities of AWS services, enhancing decision-making for the implementation of 3+ AI models.
- Coordinated with 2 cross-functional teams to build an AI-driven website integrating 3+ advanced features, resulting in a 30% improvement in team collaboration.

## PROJECTS

### Intelligent Banknote Authentication: Leveraging ML for Robust Fraud Detection

- Developed a machine learning solution to authenticate bank notes using the UC Irvine Bank Note Authentication dataset, achieving 96% accuracy.
- Evaluated 5+ models, including Neural Networks and Bernoulli Naive Bayes, leading to a 20% reduction in misclassification errors compared to baseline models.

### YOLOv7 - Ghost: An Object Detector for Autonomous Driving

- Implemented YOLOv7 for object detection using the KITTI benchmark dataset. Leveraged YOLOv7-Ghost to improve inference speed by 33%, enabling autonomous driving systems to process more data and make efficient decisions.
- Achieved this enhancement without compromising on accuracy, precision, or the feature extraction capabilities for objects of varied sizes.
- Best Paper Award** - International Research Conference on IoT, Cloud and Data Science (IRCICD'23) for "YOLOv7 - Ghost: An Object Detector for Autonomous Driving".

## SKILLS AND CERTIFICATION

**Technical Skills:** Python, R, RStudio, C, C++, MySQL, Tableau, Azure Data Studio, Django, TensorFlow, PyTorch, Git, GitFlow, Docker, Azure DevOps, Machine Learning, Computer Vision, NLP, Deep Learning, Data Analysis, Data Mining, Model Selection, Hyperparameter Tuning.

**Soft Skills:** Self Motivated, Interpersonal skills, Team Player, Leadership.

**Certificates:** NVIDIA - Fundamentals of Deep Learning, Google - Fundamentals of Digital Marketing, Micro, Small, and Medium Enterprises (MSME) - Certified Ethical Hacker.