

VISHAL BHASHYAAM

1701 N Tyndall Ave,
Tucson,
85719, Arizona, USA

<https://www.linkedin.com/in/vishal-bhashyaam>
vishalbhashyaam@gmail.com

Education

University of Arizona

Master's of Science in Data Science

Aug 2023 – Present

Tucson, USA

SRM Institute of Science and Technology

Bachelor's of Technology in Computer Science and Engineering

Jul 2019 – May 2023

Chennai, India

Projects

YOLOv7 - Ghost: Object Detector for Autonomous driving

Jan 2023 – May 2023

SRM Institute of Science and Technology

Chennai, India

- Implemented YOLOv7 for object detection using benchmark dataset (KITTI).
- Utilizing YOLOv7 - Ghost increased the speed of YOLOv7 and provided more data for autonomous driving systems to take efficient decisions.
- Enhanced speed of YOLOv7 & imparted additional data for autonomous driving systems to take efficient decisions without compromising on the accuracy, precision and feature extraction of objects of varied sizes.
- Awarded Best paper in International Research Conference on IoT, cloud and Data Science (IRCICD'23) for the paper titled "YOLOv7 - Ghost: An object detector for autonomous driving".

Bank Note Authentication

Nov 2023 – Dec 2023

University of Arizona

Tucson, USA

- Objective was to identify whether bank notes are genuine or counterfeit.
- Methods such as Data Cleaning, Data Preprocessing, Model Selection, Hyperparameter Tuning, Performance Evaluation were implemented.
- Neural Network and Bernoulli Naive Bayes machine learning models were tested on the UCI-Bank note Authentication dataset & an accuracy of 96% was recorded.

Comparative Analysis of ML models

Jun 2021 – Jul 2021

SRM Institute of Science and Technology

Chennai, India

- Analysis of the performance of ML models on E-commerce dataset from Kaggle was carried out successfully.
- Implemented Logistic regression, Decision Trees & Random forest.
- Utilized python programming language.

Professional Experience

Software Developer Intern

Dec 2022 – Feb 2023

Unitsec Private LTD

Chennai, India

- Employed as a Software Developer to develop and test AI based product.
- Conducted proof of concept of AI capabilities of AWS services.
- Coordinated with the UI team during daily SCRUM meetings for building an AI based website.
- Website was built on Typescript programming language using Angular Framework
- Fixed 3-5 bugs in the website on a daily basis over the course of 3 months.

Project Presentations

YOLOv7 - Ghost: An Object Detector For Autonomous Driving - International Research Conference on IoT, cloud and Data Science (IRCICD'23)

Awards & Honors

Best Paper Award - International Research Conference on IoT, Cloud and DataScience IRCICD'23
SRM Intitute of Science and Technology

Certifications

NVIDIA - Fundamentals of Deep Learning
MSME – Ethical Hacking and Cyber Security
Google - Fundamentals of Digital marketing

Specialized Skills

Software Skills: Python, R, C, C++, HTML, CSS, Angular, Django, MySQL, MongoDB, Machine Learning, Deep Learning, Computer Vision, Data Analysis, Data Mining
Languages: English, Tamil, Hindi

Other Interests

Sports: Cricket (Represented State Team of Tamil Nadu)
SRM Rotaract Club: Volunteered to participate in projects like fundraisers for Tribal community, Orphans & Abandoned animals