

# VISHAL BHASHYAAM

Tucson, Arizona,  
USA  
Contact: +1 5205439283

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

## Education

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<b>University of Arizona</b> <i>Master's of Science in Data Science</i>	Aug 2023 – Present Tucson, USA
<b>SRM Institute of Science and Technology</b> <i>Bachelor's of Technology in Computer Science and Engineering</i>	Jul 2019 – May 2023 Chennai, India

## Projects

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<b>Bank Note Authentication</b> <i>University of Arizona</i> <ul style="list-style-type: none"><li>Objective was to identify whether bank notes are genuine or counterfeit.</li><li>Methods such as Data Cleaning, Data Preprocessing, Model Selection, Hyperparameter Tuning, Performance Evaluation were implemented.</li><li>Neural Network and Bernoulli Naive bayes machine learning models were tested on the UCI-Bank note Authentication dataset &amp; an accuracy of 96% was recorded.</li></ul>	Nov 2023 – Dec 2023 Tucson, USA
<b>YOLOv7 - Ghost: Object Detector for Autonomous driving</b> <i>SRM Institute of Science and Technology</i> <ul style="list-style-type: none"><li>Implemented YOLOv7 for object detection using benchmark dataset (KITTI).</li><li>Utilizing YOLOv7 - Ghost increased the speed of YOLOv7 and provided more data for autonomous driving systems to take efficient decisions.</li><li>Enhanced speed of YOLOv7 &amp; 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.</li><li>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".</li></ul>	Jan 2023 – May 2023 Chennai, India
<b>Comparative Analysis of ML models</b> <i>SRM Institute of Science and Technology</i> <ul style="list-style-type: none"><li>Analysis of the performance of ML models on E-commerce dataset from Kaggle was carried out successfully.</li><li>Implemented Logistic regression, Decision Trees &amp; Random forest.</li><li>Utilized python programming language.</li></ul>	Jun 2021 – Jul 2021 Chennai, India

## Professional Experience

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<b>Software Developer Intern</b> <i>Unitsec Private LTD</i> <ul style="list-style-type: none"><li>Employed as a Software Developer to develop and test AI based product.</li><li>Conducted proof of concept of AI capabilities of AWS services.</li><li>Coordinated with the UI team during daily SCRUM meetings for building an AI based website.</li><li>Website was built on Typescript programming language using Angular Framework</li><li>Fixed 3 - 5 bugs in the website on a daily basis over the course of 3 months.</li></ul>	Dec 2022 – Feb 2023 Chennai, India
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## Project Presentations

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

### *Awards & Honors*

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

### *Certifications*

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

### *Specialized Skills*

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**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*

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