

VISHAL BHASHYAAM

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Portfolio Website link

Education

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

Projects

Spotify Music recommendation <i>University of Arizona</i> <ul style="list-style-type: none">Implemented a Siamese network to personalize song recommendations on Spotify, enhancing user engagement by accurately predicting musical preferences.Utilized advanced clustering techniques to preprocess and segment music data, ensuring efficient handling and processing of large datasets for improved model performance.Utilized Spotify-tracks-dataset from Hugging face	Jan 2024 – May 2024 Tucson, USA
Bank Note Authentication <i>University of Arizona</i> <ul style="list-style-type: none">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.	Nov 2023 – Dec 2023 Tucson, USA
YOLOv7 - Ghost: Object Detector for Autonomous driving <i>SRM Institute of Science and Technology</i> <ul style="list-style-type: none">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".	Jan 2023 – May 2023 Chennai, India

Professional Experience

Software Developer Intern <i>Techno Talent Inc</i> <ul style="list-style-type: none">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 FrameworkFixed 3-5 bugs in the website on a daily basis over the course of 3 months.	Dec 2022 – Feb 2023 Chennai, India
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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 Data Science IRCICD'23
SRM Institute 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