



# ANKIT VARMA

M. Tech in Artificial Intelligence & Data Science,  
Vellore Institute of Technology (VIT)

 Ankit Varma

 799 360 3607

 Hyderabad, India

 ankitvarma3708@gmail.com

 Ankit Varma

 Ankit Varma

## SUMMARY

Proficient in Tableau 2023, Visual Studio Code and Solidworks 2021, with expertise in web development, data analysis, machine learning and 3D design. Experienced in machine learning research, web development, image processing and computer vision. Skilled in crafting web applications using HTML, CSS, JavaScript and SQL. Proficient in Blender and Solidworks Visualize 2021 for rendering and animation. Technologically savvy with a keen interest in learning new systems. Motivated to excel in fast-paced software development environments and committed to staying updated on emerging technologies.

## SKILLS

**Languages:** Python, HTML, SQL, JavaScript, LaTeX.  
**Tools:** Tableau 2023, Pycharm, Pyspark, MySQL, Blender, scikit-learn, Solidworks.  
**Technologies:** Machine Learning, Data Science, Image Processing, Full-stack web development, 3D design.

## CERTIFICATIONS

Machine Learning with Python  
Web Development Training  
MTA: Introduction to programming using Python  
CATIA  
BAJA SAEINDIA 2022-BAJA  
EFFI CYCLE SEASON 12  
**Coincent.ai**  
**Internshala**  
**Credly**  
**Great Learning**  
**LinkedIn**  
**LinkedIn**

## RESEARCH PROFILE

Video Interpolation **Performance analysis of flow-based Video Interpolation Techniques**  
• Conducted a metric based research on Video Interpolation Algorithms RIFE and XVFI.  
• Analyzed the efficiency of these video enhancement techniques across diverse video formats and codecs to discern their suitability for various applications.  
• Presented at IEEE Xplore's Asia Pacific Conference on Innovation in Technology conference.(APCIT 2024).

## PROJECTS

Image Processing **Video-Enhancer using image processing**  
• Created a Python-based tool for up-scaling video resolution from lower to higher quality.  
• Utilized image processing techniques on extracted frames to mitigate noise and enhance overall video quality.  
Data Analysis **Cyclone separator time series data analysis.**  
• Analyzed 4 years of cyclone separator data collected every 300 seconds.  
• Identified patterns and extracted relevant features using domain expertise.  
Machine Learning **Self-Driving-Car**  
• Leveraged sensor fusion (LiDAR, camera) and machine learning to enable self-navigation in simulated and real-world scenarios.  
Web Development **Portfolio website**  
• Designed a portfolio website using HTML, CSS and JavaScript.

## EXPERIENCE

11/22 – 03/23 **Engineering Intern** **EPICK BIKES**  
• Analyzed and improved the frame fixture at Epick's prototyping facility to increase accuracy.  
• Gained hands-on experience in manufacturing an electric cycle.  
• Modified and introduced the detachable battery pack for the Z1 model.

## EDUCATION

08/23 - 04/25 **Master of Technology(Artificial Intelligence & Data Science)** **8.16 CGPA**  
Vellore Institute of Technology.  
08/19 - 05/23 **Bachelor of Technology(Mechanical Engineering)** **7.01 CGPA**  
Mallareddy Engineering College, Hyderabad, India.  
07/18 - 04/19 **Higher Secondary Education** **95.4 %**  
Sri Chaitanya Junior College.

## LANGUAGES

English, Hindi, Telugu