

# Pranay Policherla

Kadapa, AP | pranay.policherla.edu@gmail.com | +91 9347575947 | My Portfolio | LinkedIn | Github

## Summary

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"Dynamic and innovative software engineer specializing in machine learning, computer vision, and robotics, with a robust background in developing advanced software solutions using Python, TensorFlow, Keras, and OpenCV. My technical proficiency extends to integrating artificial intelligence and natural language processing to solve complex challenges and enhance product functionality. Although my professional experience has not directly focused on the automobile industry, my technical skills are highly adaptable and relevant. I am keen to apply my expertise in AI and software development to contribute as an automobile lead engineer, aiming to drive forward technological advancements and product innovation within the automotive sector."

This summary highlights your transferable skills and eagerness to apply them to a new industry, making it clear that while your direct experience may not be automotive-specific, your background is highly applicable and valuable.

## Education

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<b>VIT Chennai</b> , B.Tech in Computer Science	Sept 2022 – present
• GPA: 8.56/10.0	
<b>Sri Chaitanya Junior College</b> , 12th in MPC	Sept 2020 – Sept 2022
• Score: 97.7/100.0	

## Experience

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<b>AI/ML Trainee</b> , SpectoV – Chennai, TN	Aug 2024 – Sept 2024
<ul style="list-style-type: none"><li>Contributing to the development of innovative assistive technologies aimed at empowering individuals of all abilities, promoting inclusivity through AR/VR solutions.</li><li>Participated in brainstorming sessions to generate creative ideas for new features and improvements in existing AR/VR tools.</li><li>Collaborated with cross-functional teams to integrate user feedback, improving the overall user experience and functionality of the technology.</li></ul>	
<b>Marketing Member</b> , ResourceX – VIT Chennai, TN	Jan 2024 – May 2024
<ul style="list-style-type: none"><li>Spearheaded marketing initiatives within the club, significantly boosting member engagement and event participation.</li><li>Collaborated with club members to develop and implement promotional campaigns that aligned with the club's goals and mission.</li></ul>	

## Projects

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<b>Automated Weather Classification Using Transfer Learning</b>	Github
<ul style="list-style-type: none"><li>Developed an image classification model leveraging transfer learning techniques to accurately categorize weather conditions based on visual data.</li><li>Utilized pre-trained models (e.g., VGG16, ResNet) to enhance the efficiency and accuracy of the weather classification system, significantly reducing training time.</li><li>Achieved high classification accuracy by fine-tuning the model and optimizing hyperparameters, demonstrating the effectiveness of transfer learning in real-world applications.</li><li>Tools Used: Deep Learning, Transfer Learning, Tensorflow.</li></ul>	
<b>Coin counting and Classification using Tensorflow</b>	Github
<ul style="list-style-type: none"><li>Developed a machine learning model using TensorFlow to accurately count and classify different types of coins from images.</li></ul>	

- Preprocessed a custom dataset of coin images, applying data augmentation techniques to improve model robustness.
- Achieved high accuracy in both classification and counting tasks, demonstrating the model's practical application in automated coin processing systems.
- Tools Used: Tensorflow Lite.

## Certifications

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Artificial Intelligence using Google TensorFlow Powered by Google Developers (Smartintenz and Google Developers)

Networking Basics (Cisco)

Certificate for the Completion of Python 3.4.3 Training (Spoken Tutorial)

Certificate for the Completion of cpp Training (Spoken Tutorial)

## Technologies

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**Languages:** Python,C++ , C, Java, Objective-C, C#, HTML,CSS, JavaScript