PRATEEKSHA

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SKILLS

PROGRAMMING
Python
C basics
HTML&CSS
AI & ML

TOOL
OpenCV
Image processing
Git and Github

ACHIEVEMENTS

- Researched, developed, and presented a pioneering research paper at the IEEE Conference on Sign Language Recognition utilizing a Convolution Neural Network, achieving 98% accuracy in real-time recognition.
- Earned Global Certification in Robotic Process Automation through an intensive training program, acquiring proficiency in advanced automation techniques. Implemented strategies resulting in a notable 20% improvement in team efficiency and achieved a substantial 15% cost savings, providing quantifiable metrics to substantiate impact.
- Secured 3rd rank in academic proficiency during Post Graduation

CERTIFICATIONS

- Cloud Practitioner (AWS), ICT Academy
- Introduction Robotic Process Automation (RPA), ICT Academy
- Python Essential 1&2, Cisco
- Advanced Cpp, Spoken Tutorial

EDUCATION

Dr. SNS Rajalakshmi College Of Arts And Science
M.Sc IN Computer Science
2023 – Present | Coimbatore | GPA:9.7

PSGR Krishnammal College For Women
B.Sc IN Computer Science
2019 – 2023 | Coimbatore | GPA:9.0

Vidyaa Vikas Mr. Hr. Sec. School
HSC
2018 – 2019 | Coimbatore | PERSENTAGE:75%

Vidyaa Vikas Mr. Hr. Sec. School
SSC
2016 – 2017 | Coimbatore | PERSENTAGE:87%

INTERNSHIP

MECMETENGINEERS| Intern Trainee
Oct 2021 – Present | Coimbatore

- Led the refinement of image analysis algorithms, meticulously adjusting parameters to significantly improve data accuracy and precision in the project framework.
- Contributed significantly to applying state-of-the-art image processing techniques to real-world projects, cultivating a dynamic team environment focused on innovation and collective expertise.
- Demonstrated adept proficiency in version control using Git, orchestrating seamless collaboration by ensuring efficient code integration. Actively contributed to GitHub repositories, further solidifying a cohesive and streamlined development workflow.

PROJECT

Dog Bread Identification using CNN

- Developed an algorithm leveraging Convolutional Neural Networks (CNN) to classify dog breeds and detect human resemblance in images.
- Executed the development of models and functionalities within a Jupyter notebook, contributing to the creation of a versatile mobile/web app dedicated to image classification.

Shape Detection

- Implemented OpenCV-based real-time shape detection in videos.
- Applied contour analysis and approximation, showcasing strong skills in computer vision.
- Completed the Data Scientist Nanodegree Capstone, showcasing problem-solving expertise through practical application and tangible results.

Text Detection Using OpenCV

- Implemented a concise Python script for efficient text detection using OpenCV.
- Developed an innovative tool that seamlessly presents highlighted text regions in images, underscoring adept skills in computer vision and image processing.