Atharva Chandak

Computer Science Undergrad at BITS Pilani

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Education

Bachelor of Engineering in Computer Science

BITS Pilani, Pilani Campus

📅 August 2019 – Present   📍 Pilani, India

Experience

Artificial Intelligence and Robotics Laboratory, IISc Bangalore

Research Intern   🗔 **Dr. Suresh Sundaram**

📅 June 2021 - Present

- Developing Continual Zero Shot Learning techniques for CV tasks.

AI/ML Lab, BITS Pilani

Research Assistant   🗔 **Dr. Kamlesh Tiwari**

📅 April 2021 - Present

- Investigating various Vision-Transformer networks for human action recognition to explore ways to improve performance of existing architectures.

CSIR-CEERI Chennai

Summer Research Intern   🗔 **Mr. J Suriya Prakash**

📅 May 2021 - August 2021

- Worked on texture classification of images using both traditional Computer vision with ML algorithms and Deep Learning based methods which is used in identifying various industrial leather produced.
- Also implemented simple image segmentation networks for detecting cracks and faults in leather.

Other Projects

Image Super Resolution using Deep Learning

Study Project   🗔 **Dr. J. Jennifer Ranjani**

📅 January 2021 - April 2021

- Implemented various DL architectures to efficiently upscale low resolution images to obtain high resolution images with good perceptual quality using both GAN based and non-GAN based approaches as part of study project.

Skills

Pytorch	scikit-learn	OpenCV

Robot Operating System	C/C++

Competitions

E-Yantra Robotics Competition

📅 September 2020 - March 2021

- Were in the top 20 teams among 450+ participating teams in the Robotics innovation competition organized by IIT Bombay.
- Involved control systems, path planning, image processing for QR scanning & marker detection, and developing algorithms for a Gazebo simulated UAV.

Organizations

Core Team Member of ACM, BITS Pilani Student Chapter

📅 August 2019 - Present

- Organized a software development hackathon (HackBITSPilani).
- Contributed and managed various open source projects by BITS-ACM.

Volunteer Experience

National Service Scheme(NSS) at BITS Pilani

📅 September 2019 - Present

- Volunteering at Computer Literacy Program team of NSS BITS Pilani

Co-Curricular Activities

Badminton | Chess | Sci-fi Reader