Soham **Chitnis**

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Summary

Currently a Pre-final year student at Birla Institute of Technology and Science,K.K Birla Goa Campus pursuing Computer Science.I have worked on Computer Vision and Reinforcement Learning projects.I am looking to collaborate on Open-source and Research Projects.

Education

Birla Institute of Technology and Science   *Goa, India*
B.E(HONS.) IN COMPUTER SCIENCE   *Oct. 2020 -Present*

- **CGPA** - 8.69/10
- **Relevant Completed Coursework:** Computer Programming, Linear Algebra, Probability and Statistics, Calculus, Object-Oriented Programming,Database Systems, Data Structures and Algorithms
- **Teaching Assistant:** Computer Programming

Projects

- Comparative Study of Reward functions on Policy gradient (Code):- This is an independent project where I have done comparative study on reward functions in Policy Gradient with Gaussian Distribution
- RAIN-Robot Automation Indoor Navigation:Worked on Perception of the robot using semantic segmentation. This project is building stack for the robot Trotbot for indoor navigation which involves three components Perception, Localization and Planning.
- Project Kratos:- This project is about building a Mars Rover for the University Rover Challenges. Worked on Rock analysis using Computer Vision
- Molecule Generation using Deep Graph Generators

Certifications

2021	**Machine Learning**, Coursera	*Online*
2021	**Fundamentals of Deep learning**, NVIDIA Deep Learning Institute	*Online*
2022	**Deep Learning Specialization**, DeepLearing.AI	*Online*
2022	**Building Transformer-Based Natural Language Processing Applications**, NVIDIA Deep Learning Institute	*Online*
2022	**CS231n-Convolutional Neural Networks for Visual Recognition**, Stanford	*Online*

Skills

- **Languages:** Python, C/C++, Java
- **Toolkits:** Numpy, Scipy, OpenCV, PyTorch, Tensorflow, Keras, Matplotlib, Pandas, Scikit-Learn

Honors & Awards

2021	**Silver Prize**, CTE ML Hackathon	*Goa, India*
2020	**100 percentile** , MHT-CET	*Mumbai, India*
2017	**Silver Medal**, Dr. Homi Bhabha Balvaidnyanik Competition	*Mumbai, India*

Committees

2022	**Member**, Society for Artificial Intelligence and Deep Learning	*Goa, India*
2021	**Core Member**, Electronics and Robotics Club	*Goa, India*
2021	**Core Member, Life Detection**, Project Kratos	*Goa, India*