Soham **Chitnis**

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Summary

Currently a Sophomore in Computer Science at Birla Institute of Technology and Science,K.K Birla Goa Campus.I have worked on Computer Vision and Reinforcement Learning projects.I am interested in gaining experience in Machine Learning and Deep Learning. I like to explore the automation in Robotics.

Education

Birla Institute of Science and Technology *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
- **Relevant Ongoing Coursework:** Database Systems, Data Structures and Algorithms
- **Teaching Assistant:** Computer Programming

Projects

- Adversarial deep Learning - (Code):-Worked as Contributor to this Project. This project is a part of a book being written of same name where this project involves tutorials and implementation for the book.
- 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
- 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
- SAiDL Assignment (Code):- This was submission for the assignment by the Society of Artifical Intelligence and Deep Learning a club from the College.

Certifications

2021	**Neural Networks and Deep Learning**, Coursera	*Online*
2021	**Introduction to Deep learning**, Quark BITS Goa	*Online*
2021	**Fundamentals of Deep learning**, NVIDIA Deep Learning Institute	*Online*
2021	**Machine Learning**, Coursera	*Online*
2022	**Building Transformer-Based Natural Language Processing Applications**, NVIDIA Deep Learning Institute	*Online*
2022	**Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization**, Coursera	*Online*
2022	**CS231n-Convolutional Neural Networks for Visual Recognition**, Stanford (Informally)	*Online*

Tech-Stack

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

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

2021	**Core Member**, Electronics and Robotics Club	*Goa, India*
2021	**Core Member, Life Detection**, Project Kratos	*Goa, India*